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E CHEMIST and DRUGGIST AUGUST 16, 1947

The CHEMIST AND DRUGGIST

for RETAILER - WHOLESALER - MANUFACTURER

Established 1859 28 Essex Street, Strand, London, W.C.2. Registered as a Newspaper

o. 3521
OL. CXLVIII AUGUST 16, 1947 Annual Subscription (with Diary) 30/-. Single Copies 1/-.

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No. 50

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Index to Advertisers pp. 5 & 6

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Fig. 726A

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Fig. 430

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Fig. 826A

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A New 5-Factor Vitamin B Tablet

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(J. Nutrition, 1946, 31, 283).

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Benger's Food

Important!

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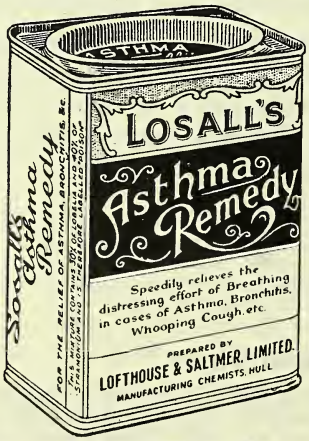

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Made by F. W Hampshire & Co. Ltd., Sunnydale, Derby

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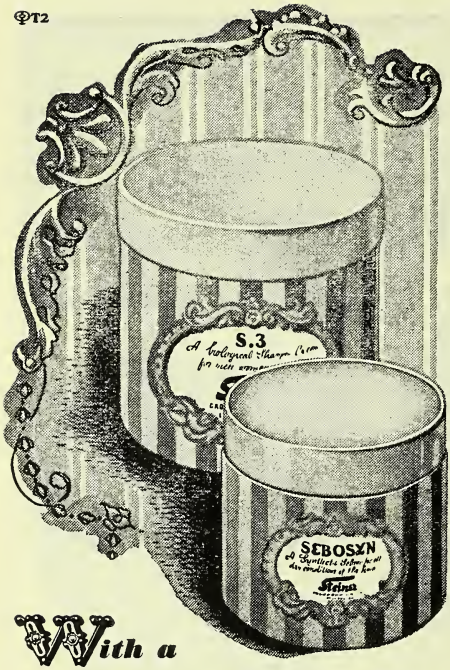
Let this attractive display pack sell Mothaks on your counter.

PT2



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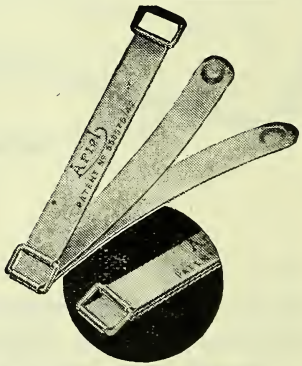

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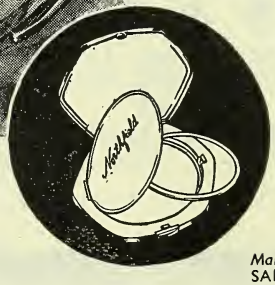

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NEWS OF THE WEEK

Infantile Paralysis. — The number of cases of poliomyelitis notified in England and Wales during the week ended August 2 was 448, the highest figure yet recorded, and an increase of 146 on the previous week.

Change in Points Allowance.—From the beginning of ration period 2 the consumers' points allowance is reduced to twenty-eight per period. " A " coupons are worth one point each, " B " coupons two points, and " C " coupons four points.

Spanish Scientists' Visit.—A party of Spanish scientists, led by Professor Don Antonio Rius Miro (professor of technical chemistry, Madrid University) and Professor Pasqual Vilas (professor of organic chemistry, Barcelona University), visited the Ruabon factory of Monsanto Chemicals, Ltd., recently.

Presentation of Albert Medal. — The Albert medal of the Royal Society of Arts was presented on July 28 to Sir Robert Robinson, F.R.S., " for his outstanding contributions to the advancement of organic chemistry." Sir Harry Lindsay (chairman of the Council, Royal Society of Arts) made the presentation.

Co-ops and Profits Tax.—At a meeting held in London on July 31, under the auspices of the National Chamber of Trade, representatives of some fifty trade associations passed a resolution protesting against the action of the Government in according " a preferential rate for co-operative societies in the compilation of profits tax " in the Finance Bill.

Soap Rationing. — Coupons available during rationing period 2, which begins on August 17, are the two upright pairs of small squares K 5/6 and K 7/8 in the large square number 2. In ration books R.B.1 and R.B.4, the coupon numbered 5/6 is worth one ration of soap and the coupon numbered 7/8 two rations of soap. The two whole coupons in ration book R.B.2 are each worth two rations of soap.

N.H.S. Hospital Services.—The Ministry of Health has recently issued a circular suggesting that Regional Hospital Boards (or hospital management boards as agents) and local authorities should, together,

arrange for the local authorities to continue to operate, on an agency basis, any existing centralised hospital services for an interim period after the commencement of the National Health Service, when such a course seems most convenient.

Retail Trade in June.—Sales of independent retail chemists, according to available figures, have been stable throughout this year, the increase between May and June of 3 per cent. (raising the Board of Trade index to the January level) being the largest month to month movement in 1947. Compared with a year ago, sales in June were 8 per cent. higher. Sales of chemists' wares by large-scale retailers were 9 per cent. higher in June compared with the corresponding month in 1946.

Public Pharmacists' Insurance.—The Guild of Public Pharmacists has recently announced improved terms for a professional liability scheme organised by the Guild in association with an insurance company. For an annual premium of 15s., the scheme, which is available only to members, now provides a financial indemnity of £10,000 against claims brought by members of the public arising from professional duties, for unlimited legal costs, and for legal representation at any coroner's inquest or official hospital inquiry which might be followed by litigation.

B.M.A. Annual Meeting.—At the annual representatives' meeting of the British Medical Association, held in London, July 22-24, the following officers were elected: *President* 1947-48, Sir Hugh Lett (re-elected); *President* 1948-49, Sir Lionel Whitby; *Vice-presidents,* Drs. J. C. Matthews and H. W. Pooler. Dr. P. N. Grinling, Sheffield, moved that it was no longer necessary for doctors' evening surgeries to continue later than 6.30 p.m. Local insurance committees, said Dr. Grinling, seemed reluctant to consent to earlier hours although chemists "seemed to be doing what they pleased." After discussion the motion was lost.

Statement to Press Commission.—The Pharmaceutical Society of Great Britain has submitted to the Royal Commission on the Press a statement intended to refute a claim, made in the evidence submitted to the Commission by the National Union of Journalists, that the Society's memorandum on proprietary medicines (see *C. & D.*, May 17, p. 565) received a "poor Press." The Society's statement points out that, despite publication in evening newspapers, all but two national morning papers referred to the memorandum next day. Apart from two facetious comments, all the references were considered by the Society to be favourable. The total amount of space devoted to the memorandum by all papers was 831 inches.

Works Visit. — Delegates representing some seventeen countries, in Britain for the eleventh Congress of Pure and Applied Chemistry held recently, visited the Greenford laboratories and factory of Glaxo Laboratories, Ltd., during the Congress. The visitors were received by Mr. E. Preston (director) and Dr. T. F. Macrae (head of Glaxo research and secretary of the Food and Nutrition Section of the Congress). One of the most interesting departments to the visitors proved to be the biochemistry section where Dr. Lester Smith demonstrated the applications of chromatography and of ionophoresis using a slab of silica jelly for the separation of basic and acidic amino-acids or peptides by electrophoresis. Sir Harry Jephcott (chairman and managing director) joined the party at tea.

London Pharmacy Degree. — The following list of successful candidates in the 1947 examinations for the London University Degree of Batchelor of Pharmacy has been issued by the superintendent of examinations for the convenience of candidates, and is subject to approval by the Senate of the University:—*External:* Eric Adams, Edith Annie Akroyd, Selwyn Benn, Molly Bucksey, Sidney James Carter, June Creese, Frederick Henry Darley, Shelagh Marion Daffodil Down, Michael Everett Fielding, Alfred Firth, Edwin Percy Godden, William David Thornton Hirst, Betty Johnson, Joan Winifred Legg, Alan Marsh, Robert William Richards, Reynold Mark Ridgway, Benjamin Victor Robb, Ronald Sinar, Norman Arthur Terry, Margaret Fay Thompson, Joan Margaret Tolputt, James Brian Tonge, Kuo Shih Tu, Ethel Minnie Elizabeth Williams, Marian Wright. *Internal:* Dorothy Mary Bell, Winifred Aileen Boyce, Sheila Camwell, Ian Charles Edmundson, June Mary Gibson, Yu-Chun Hsu, Koo Hsüeh-Chíu, Betty Pamela Jackson, Tze Ching Lou, Monica Rosemary Mann, Helen Elizabeth Moon, Mary Norma Sharp, Chia Chiang Shen, Shuk-Kay Szeto, Audrey Dorothy Tapsfield, Su-Ming Wang, Aileen Williams. Stephen Benjamin Challen has passed the examination before having completed a full course of study as an internal student and is therefore not yet qualified to receive the degree.

LOCAL NEWS

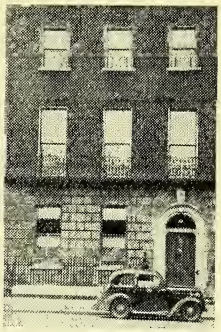
Long Service Presentations.—Presentations were made to three employees of C. W. Field, Ltd., Edwards Lane, Speke, Liverpool, 19, on July 31, to mark their completion of twenty-five years' service with the company.

St. Andrews Chemistry Prize.—It was stated at a recent meeting of the General Council of St. Andrews University that a prize in chemistry, in the form of two silver medals to be awarded annually to the best students in chemistry in United College, St. Andrews, and University College, Dundee, was to be established with funds contributed by present and former students.

Edinburgh Veterinary Exhibition. — During the annual congress of the National Veterinary Medical Association, held recently in Edinburgh, an exhibition of drugs and veterinary instruments in the Royal (Dick) Veterinary College was opened by Professor W. M. Mitchell (president). The exhibitors included:—Abbott Laboratories, (Eng.), Ltd., The Armour Laboratories, Bayer Products, Ltd., Burroughs Wellcome & Co., Cooper, McDougal & Robertson, Ltd., Evans Medical Supplies, Ltd., C. J. Hewlett & Son, Ltd., Imperial Chemical (Pharmaceuticals), Ltd., Pharmaceutical Specialities (May & Baker), Ltd., and Reckitt & Colman, Ltd.

IRISH NEWS

Ulster Chemists' Golf.—The first competition for the Apothecaries' cup between teams of wholesale and retail members of the Ulster Chemists' Golfing Society was held at Holywood recently. The wholesalers' team, captained by Mr. J. Jeffers, were the winners by one match. The cup was presented to Mr. Jeffers by Mr. E. Allen (captain, Holywood Club), who led the retail chemists' team.

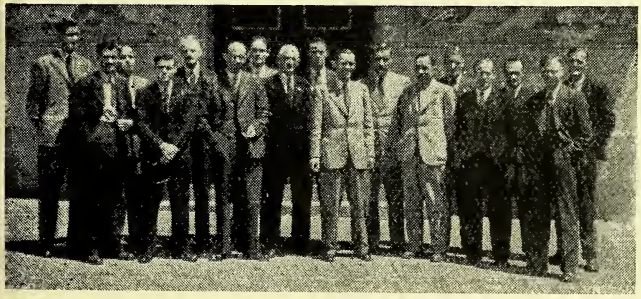


I.D.A. OFFICES. — The new headquarters (see C. & D. May 17, p. 547) of the Irish Drug Association at 27 Merrion Square, Dublin. The premises are a Georgian house, formerly the residence of the late Dr. P. T. McArdley, and are close to 67 Lower Mount Street, the headquarters of the Pharmaceutical Society of Ireland.

Eire Chemists Golf.—The Irish Chemists' Golfing Society held an outing at Newlands recently to play for prizes presented by P. C. Cahill, Ltd., and Irish Pharmaceuticals, Ltd. An 18-holes strokes game was won by Mr. B. R. Smith (7) with 70. Runner-up was Mr. T. J. Martin (16) with 73. An 18-holes bogey game was won by Mr. W. F. M. Keyes (16) 2 down, with Mr. J. Fitzgibbon (8) 2 down, runner-up. Those present included Messrs. P. C. Cahill, Joseph Gorry, Naas, and J. Sheeran. After the games Mr. P. McAuliffe (captain) presided at supper and presented the prizes. Thanks to the donors were expressed by Mr. Smith, seconded by Mr. Martin. Mr. Cahill responded for the donors. The next outing of the Society is to be held on August 24.

OVERSEAS NEWS

Ontario War Memorial. — A golden book of remembrance, containing the names of 800 students and graduates of the Ontario School of Pharmacy who served in the recent war, was recently dedicated. As a war memorial, two competitive scholarships are being made available to Ontario students.



REPRESENTATIVES' SWISS VISIT.—The Ciba organisation recently held a meeting in Basle, Switzerland, of its medical representatives from almost every country in Europe and the Middle East. The party from Ciba Laboratories, Ltd., Great Britain and Eire is shown in the photograph with other members of the staff. The group includes Messrs. G. Y. Brown, A. Drewitt, E. A. Fell, R. Geddes, H. Greenwood, F. M. Mallen, H. J. Morgan, E. J. Naylor, A. F. Neal, J. C. Newby, W. Robb and E. L. Shoesmith.

COMPANY NEWS

First Aid Supplies, Ltd. (P.C.).—Capital £1,000. Miss Gladys Symons, Miss Margery Symons and Charles W. Smith, directors. R.O.: 107 Portland Road, Hove, 3.

Guy's The Chemists, Ltd. (P.C.).—Registered in Edinburgh. Capital £1,000. The first directors are to be appointed. John Tennent, 138 West Regent Street, Glasgow, subscriber.

Research Chemists (Farnham), Ltd. (P.C.).—Capital £1,000. To carry on the business of manufacturing chemists and druggists, etc. Philip E. Leapman and Phyllis G. Leapman, directors. R.O.: 25 The Borough, Farnham, Surrey.

Allen Wholesale (Portsmouth), Ltd. (P.C.).—Capital £4,000. To carry on the business of chemists' sundriesmen, etc. Frank Allen and Arthur W. J. Plummer, directors. R.O.: 6 Selbourne Terrace, Portsmouth.

Johnson Bee, Ltd. (P.C.).—Capital £3,000. To carry on the business of manufacturing, research, dispensing chemists and druggists, etc. John J. Bee and Reginald Johnson, directors. R.O.: 226 Firth Park Road, Sheffield.

Ernest Newton & Co., Ltd. (P.C.).—Capital £50,000. To acquire the business of manufacturing chemists carried on by H. Newton as "Ernest Newton & Co." at 15-16 Holt Street, Birmingham. Horace Newton and Ernest J. Newton, directors.

Produits Aromatiques (London), Ltd. (P.C.).—Capital £100. To carry on the business of manufacturers and distillers of and dealers in perfumes and essences, soaps, etc. Gwendoline M. Lloyd, director. R.O.: 1 Quality Court, London, W.C.2.

Spongee Products, Ltd. (P.C.).—Capital £2,000. To acquire the business of sponge factors carried on by William H. Crook, junior, and Leslie Crook, who are directors of the new company, at 53 Church Street, Croydon.

Arthur Mayne, Ltd. (P.C.).—Registered in Dublin. Capital £3,000. To carry on the business of chemists and druggists, etc. Edith Mayne, Arthur B. Vance and A. Nelson Cole, Main Street, Youghal, directors.

J. F. Gilna & Co., Ltd. (P.C.).—Registered in Dublin. Capital £1,000. To carry on the business of wholesale or retail, manufacturing, dispensing and pharmaceutical chemists, druggists, etc. John F. Gilna, director, 29 St. Mary's Road, Dublin.

Atexco, Ltd. (P.C.).—Capital £12,000. To carry on the business of general merchants, importers, exporters or manufacturers of cosmetics, medicines, etc. J. L. Farmer and R. L. H. Farmer, directors. R.O.: 56-61 Moorgate, London, E.C.2.

Southall Bye-Products, Ltd. (P.C.).—Capital £1,000. To carry on the business of manufacturers of and dealers in chemicals, drugs, medicines, disinfectants, fertilisers, etc. Joseph O'Rell and Sydney J. O'Rell, directors. R.O.: Dairy Meadow, off Havelock Road, Southall, Middlesex.

Raucour Parfumeur, Ltd. (P.C.).—Capital £100. To carry on the business of importers, exporters, manufacturers of and dealers in cosmetics, perfumes and toilet preparations, etc. First directors are to be appointed. R.O.: 112 Cannon Street, London, E.C.4.

Andrews Technical Equipment, Ltd. (P.C.).—Capital £5,000. To carry on the business of designers and manufacturers of medical and technical instruments and equipment and to adopt an agreement with Henry T. Andrews and K. D. Marsh. H. T. Andrews is the permanent director. R.O.: Albany Works, Albany Road, Twerton-on-Avon, Bath.

Watts & Sons (Banbury), Ltd. (P.C.).—Capital £50,000. To carry on the business of dealers in fertilisers, cattle food and feeding and fattening preparations, patent and other medicines and drugs, etc. Alfred P. Watts, 81 Oxford Road, Banbury, Oxon, and Raymond E. Watts, "West View," Oxford Road, Bodicote, Banbury, directors. R.O.: 6-7 Bridge Street, Banbury.

P. B. Cow & Co., Ltd.—Messrs. Spurling, Swarner, Tudor & Co. are shortly to offer 250,000 ordinary 4s. stock units at 19s. 3d. each in P. B. Cow & Co., Ltd., rubber manufacturers.

Lever Brothers Co.—This American company of Cambridge, Mass., has acquired the entire capital stock of Harriet Hubbard Ayer, Inc., cosmetic manufacturers, New York, and its subsidiary company, Harriet Hubbard Ayer Laboratories, Inc. Harriet Hubbard Ayer Inc. will continue to function as a separate and independent unit.

BUSINESS CHANGES

Hirst, Brook & Hirst, Ltd., Sheepscar Works, Leeds, have appointed Mr. J. C. Callaghan, Ph.C., home sales manager.

Mr. H. H. Hall, M.P.S., F.S.M.C., has acquired the business of Mr. F. L. Kempson, M.P.S., 79 Midhurst Road, Ealing, London, W.13.

Culmak, Ltd., have closed their London works and transferred their offices to Woodbridge, Suffolk (Telephone: Woodbridge 622-23).

Whiffen & Sons, Ltd., Aldersgate Chemical Works, Carnwath Road, Fulham, London, S.W.6, have appointed Mr. R. G. Archer, 1 Rydal Grove, Cottingham, nr. Hull, as their representative for the Midlands, North of England, and Scotland.

TOPICAL REFLECTIONS

Academic Arguments

A motion to hold meetings of the Pharmaceutical Society's Council "entirely in private" having been defeated at a Council meeting (p. 175), we may hope that this subject, disinterred after sixty-five years (*C. & D.*, July 19, p. 81), will be decently buried for a period of the same length. The arguments advanced at the meeting in favour of excluding the Press from all meetings of the Council strike me as academic. It is possible to devise an academic argument in favour of almost any policy. But academic arguments are apt to be fine-spun, and, like other fine-spun commodities, flimsy. What do the contentions of the advocates for the exclusion amount to? Chiefly, it appears, that the transition from speaking for publication to speaking in committee is embarrassing to councillors. But successive councillors have been speaking for sixty-five years under this alleged check to freedom. Mr. Howells, indeed, introduced the ingenious alternative that the admission of the Press might either have a restraining influence on speech or the opposite effect. Your readers need not spend much time over that. I must record an objection to Mr. Maplethorpe's statement that the constitution of the Society made the Council responsible only to its own members. (It is not clear whether members of the Council or of the Society are indicated.) The Council employs, or is understood to employ, a public relations officer; and it undertakes to provide, on behalf of local authorities, for the inspection of premises not owned by authorised sellers of poisons. Further, I fail to comprehend how any body incorporated by charter, or its executive, can disclaim responsibility to the public. Yet we are asked to believe that the Council, if not the Society, is "a garden walled around and tended with peculiar care."

Functions of the Press

It is natural for the secretary of the Society to think the best kind of report of Council meetings would be one prepared by the Council's officials; but such reports, however admirable, would be a form of spoon-feeding. Mr. Maplethorpe is very wide of the mark in suggesting that any unguarded remark made by a councillor is "picked out and amplified" in Press reports. The rôle of the Press was crystallised, years ago, in the well-known dictum of Mr. C. P. Scott that comment is free but facts are sacred. People unacquainted with journalism might be surprised if it were demonstrated, as it could be, that in newspaper offices a good deal of time is spent in checking statements received for publication. An appreciable part of the routine of any editorial staff consists in verifying names of persons, places and so forth. A legitimate criticism of current journalism might be based on the theory that it is too polite. About a year ago you published an article entitled "Six Journals for Chemists," an article including some hard-hitting comments quoted from journals of the first half of the nineteenth century. A well-known pharmacist, after reading it, remarked to me that it would not be a bad thing if that style of controversy could be reintroduced on occasion. In any case criticism, hard or gentle, is an essential element of growth in a healthy democracy; and its foundation must be fact.

Burst Bottles

While the summer lasts—if it does last—it is as well to bear in mind an admonition in your recent report of the Chemists' Defence Association to take precautions to minimise risks to the public arising from the effect of heat on bottles containing volatile liquids. In our laudable efforts to keep abreast of the latest information about radioactive isotopes and other scientific advances we are sometimes apt to overlook the needs of Mrs. Blank with her bottle of solution of ammonia. Many of your readers could probably contribute stories of accidents with this substance, in pharmacies and elsewhere. When liquor ammoniæ fortis was supplied in a shop years ago, the rule used to be (I trust it still is) never to fill the bottle but to leave a reasonable space of air in it, and to caution the customer about the method of carrying it. Solutions of ammonia are, of course, not the only offenders in this respect. Recently some hydrogen peroxide, left in a bottle standing away from light in a drawer, liberated enough gas to blow off the screw cap and most of the neck of the bottle. In these days of difficulty in bottle supply one might with advantage add to the number of precautions mentioned by the Association, particular attention to the stoutness of bottles used for these potentially dangerous preparations. Such accidents may cause much or little damage, according to circumstances; and they should be preventable. It is by attention to such details at the counter that reputations for skill are built up.

Xrayser

THE WEEK IN PARLIAMENT

By a Member of the Press Gallery, House of Commons

THE PRIME MINISTER (Mr. Attlee), in his crisis statement to the House, raised export targets to 140 per cent. of 1938 by the end of the first half of next year, and 160 per cent. by the end of that year. "We must ensure that fuel, raw materials, labour and industrial capacity are made available where they are required. For this we need two things—an increase of productivity and the direction of effort into the channels where it will be most fruitful." This, he said, would involve some sacrifice of individual liberty on the part of employers and workers. "We shall have to ask or, if necessary, issue directions to firms to ensure that their capacity is used to produce not those goods which will produce the highest profit, but those most needed in the interests of the national economy. We shall have to take some means of control over the employment of labour and we propose to reimpose the control over engagement which was almost universal during the war. This will enable all workers leaving one job and seeking another to be guided into that class of work on which they can best assist towards overcoming our economic difficulties." Mr. Attlee added that to find necessary manpower for essential employment it might be necessary to take steps to limit employment on less essential work.

Powers of Direction

In addition, in order to avoid workers remaining unemployed or taking other unessential work instead of accepting essential employment for which they submitted under the Control of Engagement scheme, it would be necessary to resume to a limited extent the use of powers of direction. This was not a resumption of the general powers of direction, but an essential supporting measure to enable the control of engagement to be effectively exercised. The Government had decided that as an emergency measure they must ask for longer hours of work wherever these could contribute to increased production. Once the desired increase had been obtained in these basic industries, the Government would seek a similar contribution from other manufacturing industries which depended on them for their materials and power.

Management must play its part. "In general, management is out to co-operate with the Government in overcoming our economic difficulties. But such cases as there may be of avoidable inefficiency or lack of will to serve the nation's best interest must be dealt with. The Government will not hesitate in such cases to take the necessary action, just as was done in the war." Mr. Attlee announced cuts, including a ten per cent. cut in commercial petrol, as well as a one-third reduction in the basic ration and ten per cent. in supplementary allowances. Allowances for businessmen travelling abroad would be more strictly limited, he said, and hinted at anti-inflation measures to be taken by the Chancellor of the Exchequer. He appealed to workers not to press for wage increases or changes in conditions, which would have a similar effect, and to employers not to tempt workers away by inducements, and to industry to refrain from declaring high dividends.

Orange Juice for Channel Islands

MR. ANTHONY GREENWOOD asked the Minister of Food on August 4 how much orange juice bought by his department had been exported to the Channel Islands, what was the cost to this country, what was the price charged by this country, and whether it was stipulated that orange juice supplied to the Channel Islands should be sold only at controlled prices and on a priority basis? DR. SUMMERSKILL replied: From October 1945, to the end of July 1947, the Channel Islands were supplied with 335½-gross bottles of orange juice. They were charged £3,416, which was the cost of production. The arrangements were made on the understanding that they would be distributed to the same priority classes as in Great Britain, but at unsubsidised prices.

MR. GREENWOOD asked: Is the Minister aware that although adequate supplies of orange juice are available in the Islands, they are only available at the price of 1s. 10d. a bottle, which is far in excess of what many working-class families can afford to pay. Will she insist, in further negotiations with the authorities, that further supplies must be conditional on the operation of a fair scheme?

In reply to a question as to the potential consumption of orange juice in this country, the Minister of Food (Mr. Strachey) replied: Just over nine million 6-oz. bottles of orange juice would be required each four weeks if all children and expectant mothers took full advantage of their entitlement.

The actual quantity distributed varies from month to month, but in June 1947, it was 49 per cent. of the potential.

Coupons for Abdominal Belts

COMMANDER NOBLE asked the President of the Board of Trade on August 5 why clothing coupons were demanded for abdominal belts for which a medical certificate was presented and why the consent of his department was also necessary for the transaction. MR. BELCHER replied: Abdominal belts of not more than six inches in width specially designed for a number of specified conditions are available coupon-free. In fairness to all, coupons are required for other types which cannot be thus clearly defined because some can be worn in place of other rationed garments. The endorsement of the Board of Trade is necessary to enable the manufacturers of the garment to supply in excess of their non-utility quota and to obtain the specially strong material used.

Infant Foods at Welfare Centres

BRIGADIER PETO asked the Minister of Food why he had found it necessary to cut down the quota of tinned milk foods supplied to infant welfare centres, and when he expected to be able to restore the previous allowance. MR. STRACHEY replied: My department does not control the distribution of proprietary brands of milk-based baby foods. Owing to the reduced production of milk in the first four months of this year, owing to the great frost, there was a reduction in the output of milk powder, and as a result, manufacturers have had to restrict their sales of these proprietary foods. I cannot say when it will be possible fully to restore the old rate of sales.

Medical Practitioners Bill

MR. HERBERT MORRISON, on behalf of the Government, when asked by MR. SPENCE "if it is the Government's intention to proceed with the Medical Practitioners and Pharmacists Bill during this Session or next Session," replied: "This Bill was published in order that the House and the country should be aware of its proposals. It is not proposed to proceed with the Bill this Session."

Supplies and Services Bill

After an all-night debate the Supplies and Services (Transitional Powers) Bill passed through its final stages in the House of Commons on Tuesday, August 12, and was sent to the House of Lords. The Bill extends the powers provided in the Supplies and Services (Transitional Powers) Act, 1945, so as to be applicable for the following purposes:—

(*a*) promoting the productivity of industry, commerce and agriculture;

(*b*) fostering and directing exports and reducing imports, or imports of any classes, from all or any countries and for redressing the balance of trade; and

(*c*) generally for ensuring the whole resources of the community are available for use, and are used, in a manner best calculated to serve the interests of the community.

C. & D. DISPENSING PRICE LIST

THE following price changes which took place during July should be noted.

Cost		*Due allowance has been made for purchase tax in both cost and dispensing prices*	Dispensing price		
d.	*per*		4 oz. *s. d.*	1 oz. *s. d.*	1 dr. *s. d.*
35	lb.	Acet. rubi idæi	1 3	0 2½	—
7	oz.	Acid. glycero-phosph. B.P.C.	—	1 2	0 2
77	oz.	Amidopyrina ℞ only	—	11 2	1 10
114	lb.	Anthemidis flores exot. ..	4 1	1 1	0 2
48	oz.	Argenti nitras ..	—	7 0	1 0
66	oz.	Chrysarobinum	—	—	1 6
17	oz.	Colchici corm. Ang. pulv. P.1.(8) ..	—	2 7	0 5
10	oz.	Collod. styptic. meth. S.1.(5)	—	1 5	0 3
27	lb.	Cremor zinci B.P.C. ..	1 0	0 3½	—
6	oz.	Ext. glycyrrhizæ	—	0 10	0 2
21	oz.	Ext. senegæ liq.	—	3 3	0 6
126	lb.	Inf. rhei conc. ..	4 8	1 3	0 2½
12	lb.	Liq. cresol. sap. P.11.(9 or 12) 2/- pint	0 6	0 2	—
36	oz.	Ol. limonis ..	—	5 3	0 9
76	lb.	Ol. olivæ (8/9 16 fl. oz.)	2 6	0 8	0 2
35	oz.	Potass. guaiacol-sulphonas ..	—	5 2	0 9
13	oz.	Spirit. cajuputi	—	1 11	0 3½
81	lb.	Zinci oleostearas ..	2 10	0 9	0 2

BIRTH

FOYE.—On July 14, the wife of Robert Alexander Foye, M.P.S.N.I., 33 Kingsberry Road, Belfast, of a daughter.

DEATHS

ELCOMBE.—On August 12, Mr. Arthur William Elcombe, Woodroyd, Woodford Wells, aged seventy-seven. Mr. Elcombe was a director of Howard & Sons, Ltd., and of Baird & Tatlock (London), Ltd.

HORTON.—On July 30, Mr. George Horton, M.P.S., 42 Hathaway Lane, Shottery, Stratford-on-Avon, formerly of 134 Market Place, Cirencester, aged sixty-one. Mr. Horton qualified in 1909.

MILES.—On July 31, Mr. William Henry Miles, 29 Eldred Avenue, Brighton, formerly of 110 Hollingbury Park Avenue, Brighton, aged eighty-one. Mr. Miles qualified as a chemist and druggist in 1895.

PRADHAN.—Recently, during riots in Calcutta, Mr. Avadhut Krishnarao Pradhan, Ph.C. (Allen & Hanburys, Ltd., Calcutta). Mr. Pradhan qualified in 1945.

RENNIE.—At Kello Hospital, Biggar, on July 29, Mrs. Elizabeth Shaw Gauld Rennie, wife of Mr. W. R. Rennie, M.P.S., Biggar.

SMITH.—On July 17, Mr. Walter Smith, Olinda, Irby Road, Heswell, Wirral, aged eighty-five. Mr. Smith qualified as a chemist in 1885 and was in business at Banks Road, West Kirby, Cheshire, for over forty years until he retired nine years ago.

WHITE.—On July 20. Mrs. Ellen Marion White, widow of the late Mr. Edmund White, B.Sc., Ph.C., F.R.I.C. (president of the Pharmaceutical Society from 1913-18), aged seventy-nine.

WICKETT.—At the Royal Free Hospital, London, W.C.1, on August 8, Mr. Harold Wickett, D.F.C., M.P.S., 33 Kingsland High Street, London, E.8. Mr. Wickett, who was a member of the London Pharmaceutical Committee at the time of his death, had served on the Committee since 1934. At the cremation, which took place at Golders Green crematorium on August 11, the Committee was represented by Messrs. C. A. Noble (past chairman), R. C. Swanton (assistant secretary), A. E. Foottit, and H. Warburton. During the 1914-18 war Mr. Wickett was a member of the Royal Naval Air Service, and during the 1939-45 war served in the Royal Air Force. He was a keen pilot in civilian life.

WILLS

MR. ERNEST ALBERT PARR, M.P.S., 63 Mulgrave Road, Ealing, Middlesex, left £2,532, with net personalty £2,486.

MR. ALEXANDER STIRLING BRICE CHAPMAN, M.P.S., 23 Beulah Road, Walthamstow, London, E.17, left £6,950, with net personalty £6,784.

MR. WILLIAM NIMMO, M.P.S., 110 Ewesley Road, Sunderland, and 19 St. Luke's Terrace, Pallion, Sunderland, left £20,825, with net personalty £18,184.

MR. VERNON CHARLES LESLIE FOSTER, 44 Victoria Road, and 108 Duke Street, Barrow-in-Furness, left £8,223, with net personalty £5,555.

MR. WILLIAM LOUIS BARRETT, M.P.S., The Haven, Key Street, Sittingbourne, Kent, left £5,324, with net personalty £5,296.

MR. WILLIAM HENRY LOMAX, PH.C., Newnham, Moss Lane, Leyland, Lancs, formerly of 23 East Park Avenue, Darwen, Lancs, left £2,506, with net personalty £2,391.

MR. JOHN WILLIAM FAWCETT, M.P.S., Sylvan Lodge, Duchess Drive, Cheveley, Camb, formerly of The Pharmacy, High Street, Newmarket, left £5,050, with net personalty £4,498.

MR. HUBERT BERTRAM THOMPSON, M.P.S., 15 Russell Road, and 284 Baldwins Lane, Hall Green, Birmingham (son of the late Mr. Charles Thompson, Ph.C.), left £3,667, with net personalty £1,875.

MR. JAMES ALEXANDER HOGG, 2 Manselton Park, Bangor, co. Down, son of Mr. J. N. Hogg (of James Hogg, Sons & Co., Ltd., The Eagle Pharmacy, Belfast), left £4,678.

MR. ERNEST ALFRED GODDARD, Spencobe, Spencer Street, Oadby, Leics, formerly of Langland, Swansea (a representative for Wands, Ltd., Leicester), left £1,981, with net personalty £1,957.

MR. JOHN ISRAEL DAKERS, M.P.S., 35 Edwards Road, Whitley Bay, Northumberland (of Phillips Spencer, Dakers & Co., 35 Low Friar Street, Newcastle-on-Tyne) left £12,887, with net personalty £12,815.

MR. SYDNEY CHATER GREAVES, M.P.S., De La Warr Road, Bexhill, formerly of 663 Brookside, Chesterfield, Derbys (formerly managing director of A. Greaves & Son, Ltd., 35 Market Place, Chesterfield), left £19,268, with net personalty £19,167.

MR. ROBERT ELDER REED, High Trees, Pinner Hill Road, Pinner, Middlesex, formerly of Harrow (chairman of A. Elder Reed & Co., Ltd., 103-05 Battersea High Street, London, S.W.11, and past chairman of the British Chemical and Dyestuffs Traders' Association), left £22,325, with net personalty £21,380.

INSURANCE ACT DISPENSING

South-west Lancashire and Cheshire.—The report of the South-west Lancashire and Cheshire Joint (Prescriptions) Committee for 1946, published recently, includes the following prescription statistics (comparative figures for 1945 are shown in brackets): Number dispensed, 5,063,516 (4,784,310); total cost, £305,568 (£267,670); average price of ingredients, 8.37d. (7.40d.); average dispensing fee, 5.11d. (6.03d.); average cost per insured person, 69.94d. (66.58d.); average prescription frequency per insured person, 4.83 (4.96).

Stamp for Endorsing Scripts. — A specially designed rubber stamp, introduced by E. Moss, Ltd., Feltham, Middlesex, for use by all the company's branches when endorsing National Health Insurance prescriptions for proprietary preparations, etc., is illustrated in reduced facsimile on this page. The actual stamp is $2\frac{1}{2}$ in. x 2 in. in size. Middlesex Pharmaceutical Committee has recommended the use of a similar stamp measuring $1\frac{1}{16}$ in. x $3\frac{1}{8}$ in. (designed to fit exactly space on the back of the Committee's script forms), and suitable suppliers will be suggested on application to Mr. J. Anderson Stewart (secretary), 21 Bloomsbury Square, London, W.C.1.

MAKER	
LIST PRICE incl. Tax per	
WE CLAIM PAYMENT AS BELOW	
FULL COST	
Proportionate ,, Cost prev. cl'm'd	
Postage, Phone, etc	
TOTAL CLAIMED	

London. — The annual report of the London Pharmaceutical Committee, approved at a meeting held on July 15 (see *C. & D.*, August 9, p. 184) includes the following prescription statistics:—

Year	Prescriptions Dispensed	Total Cost	Average Cost	Average Fee
1939	8,663,641	£304,936	8.45d.	4.34d.
1940	7,517,912	£299,577	9.56d.	4.42d.
1941	5,526,931	£237,899	10.33d.	4.36d.
1942	5,705,382	£257,964	10.85d.	5.17d.
1943	6,348,326	£295,681	11.18d.	5.24d.
1944	5,789,746	£279,524	11.59d.	5.25d.
1945	5,924,987	£313,758	12.71d.	5.97d.
1946	6,560,126	£364,403	13.33d.	6.04d.

The following further information is given about prescriptions dispensed in 1946 (1945 figures are given in brackets):—Cost of ingredients £199,212 (£166,441), dispensing fees £165,191 (£147,317), average cost of ingredients 7.29d. (6.74d.), number of insured persons 1,480,015 (1,350,491), average number of prescriptions per person 4.43 (4.39), average cost per person 59.09d. (55.76d.).

Middlesex.—The statistics given below are included in the annual report of the Middlesex Pharmaceutical Committee, issued recently. Owing to delay in pricing prescriptions, the figures for 1946 apply only to January-October.

Particulars	1946 (10 mths.)	1945	1938
Prescriptions dispensed	3,120,207	3,544,424	3,390,331
Total cost:			
Ingredients	£109,398	£114,464	£61,909
Dispensing fees	£ 81,538	£ 90,560	£61,283
Average cost per prescription:			
Ingredients	8.59d.	7.75d.	4.39d.
Dispensing fees	6.[illegible]8d.	6.13d.	4.32d.
Number of insured persons	967,006	908,774	812,440
Prescription frequency per insured person	3.22	3.90	4.17
Average total cost per insured person	47.9	54.1d.	36.5d.

The annual meeting of the Pharmaceutical Committee was held in London on July 23. Mr. R. H. Rowson, Ph.C., Harrow, was re-appointed *Chairman*, Mr. J. C. Young, *Vice-chairman*, Mr. J. Anderson Stewart, *Secretary*. Messrs. A. R. Cross, H. G. Moss, E. Ratcliffe, G. F. Weiss and F. G. Wells were elected to the executive and finance subcommittee. It was reported that the delay in pricing in the South-eastern pricing office had been reduced, but an examination of representative batches of prescriptions had shown that stock mixtures varied from 40-68 per cent., tablets from 19-24 per cent., and prescriptions written in full from 3-6 per cent., with proprietaries varying from 12-25 per cent. It was the opinion of the Committee that many prescriptions could be priced by clerks who had received a short training only. The Committee considered a report which had been prepared by the Committee's representatives on the hours-of-service subcommittee recommending that under the new regulations for the National Health Service Act there should be a simple mechanism for setting up compulsory rotas in areas where pharmacists were unwilling to provide voluntary service for periods outside normal hours of business opening.

TRADE NOTES

Holiday Closing. — The works and offices of Addis, Ltd., Ware Road, Hertford, will be closed for the company's annual holiday from August 23 to 30, inclusive.

Modern Compact.—Craftsmanship is the feature of the Michel compact illustrated in this issue. The distributors are Anglo-American Distributing Co., Ltd., Danes Inn House, 265 Strand, London, W.C.2.

Utrecht Trade Fair. — At the Utrecht Trade Fair, September 9-18, THE CHEMIST AND DRUGGIST will be represented by Mr. S. H. Hartog at stands Nos. 2549/57 in the main building and No. 21 in the technical section.

Publicity for Seasonal Product. — A special poster campaign is now publicising Brontan sun-tan cream. Limited supplies of this product are available from Brontan, Ltd., 1 Broad Street Buildings, Liverpool Street, London, E.C.2.

Handbag Beauty Cake. — Packed in a plastic container and put up in seven popular shades, their handbag size beauty cake is now available from Rimmel Distributors, Ltd., 43 North Row, Park Lane, London, W.1.

Plaster Remover in New Pack. — The makers, T. J. Smith & Nephew, Ltd., Neptune Street, Hull, notify the trade in this issue that their product Zoff, for removing plasters and cleansing the skin, is now available in a larger bottle and good supplies are available.

New Display Material.—In connection with their foot preparations, Aero-Ped, Ltd., 35 Bessborough Place, London, S.W.1, have issued three new cut-out cards illustrating their P.M.N. foot powder and ointment. The distributors of Aero-Ped products are S. Maw, Son & Sons, Ltd.

Eyebaths. — Four types of eyebaths, each available in white flint, actinic green or deep blue glass, are manufactured by Wood Bros. Glass Co., Ltd., Barnsley, Yorks. The makers state that at present supplies are not equal to the demand, but every effort is being made to provide additional capacity.

Autumn Advertising. — The Crookes Laboratories, Ltd., Park Royal, London, N.W.10, state that the first of the new season's advertisements for Crookes halibut oil will appear in the Press during September. Details of standard bonus parcels of this preparation are given in a table in the company's announcement on another page.

Apology for Short Supplies.—The distributors, S. Maw, Son & Sons, Ltd., Aldersgate House, Barnet, Herts, state in this issue that, owing to the demand for Porosan fruit preserving products, supplies may have to be rationed for the remainder of this season in order that retailers may receive a share.

Prices Reduced. — W. Sutton & Co. (Druggists' Sundries, London), Ltd., Horseshoe Lane, Enfield, Middlesex, distributors of Diana Marsh lambswool puffs, announce that there has been a further reduction in prices of the product since publication of an announcement by the company in the advertisement columns.

New Lipstick Introduced.—Max Factor, Hollywood and London, Ltd., 16 Old Bond Street, London, W.1, have introduced a new lipstick that is claimed not to dry the lips and to help keep the lips soft and creamy. The lipstick is issued in gilt case with full-length cap. There are twelve shades.

New Soapless Shampoo. — Under the title Pink Ribbon, a new soapless shampoo makes its debut this week. It is being launched with a national advertising campaign. The product is made by Herbert Crosby & Co., Ltd., London, W.1, and distributed by The Southern Manufacturing Co., Ltd. Adequate supplies are available to retailers.

Register of Dieticians.—A third edition of the register of dieticians holding the qualification of the British Dietetic Association has been published by the Board of Registration of Medical Auxiliaries, Tavistock House North, Tavistock Square, London, W.C.1. Copies are available free to medical practitioners on application to the registrar of the Board.

Extended Delivery Service.—R. J. Gibb, Ltd., Manor Avenue, Paignton, announce in this issue that their delivery service not only covers the south-western counties but also Hereford, Worcester, Gloucester, Monmouth, Oxford and London. Messrs. Gibb state they can give speedy delivery of chemists' goods from comprehensive stocks.

Price Increase.—Pharmaceutical Specialities (May & Baker), Ltd., Dagenham, announce that, owing to the rising cost of

manufacture, the prices of all sizes and packs of Vinesthene brand divinyl ether and VAM brand anæsthetic mixture will be increased on September 1.

The Half Century.—The advertisement on the cover of this week's issue is the fiftieth in the popular series "Science and Pharmacy" which has been a feature of the publicity of Burgoyne, Burbidges & Co., Ltd., London, E.6. All the portraits reproduced were drawn by the Art Department of THE CHEMIST AND DRUGGIST.

MARK I

MARK II

Price Control Mark.—The Board of Trade has designed "price control marks" (as illustrated) for use upon price-controlled goods in accordance with Orders or Directions to be issued from time to time. Application of the marks to any goods by any person, without official authority, is not permitted. On Mark II will be shown the cash price.

In Defence of Cold Waving. — Pin-up Cold Perm-wave, Ltd., 40 Fulham High Street, London, S.W.6, urge critics of low-temperature hair-waving to study an article by McCord in the "Journal of the American Medical Association" (1946, I.776). The points made by McCord were that there was no evidence of sensitisation or allergic responses with properly prepared materials; no evidence of primary skin irritation from thioglycollic acid or alkaline derivatives below certain concentrations; and that measurable systematic responses do not occur in animals after parenteral introduction of thioglycollates.

Proprietary Articles Trade Association

Alterations to Protected List (Part I).—*Allcock Products, Ltd.*, Prices and terms in Great Britain, Northern Ireland and the Isle of Man: Allcock brand porous plasters, 1s. 3d., 11s. 3d. doz. (tax 1s. 10d. doz.), i.r.p. 1s. 5d.; Dr. Brandreth brand pills, 1s. 3d., 11s. doz. (tax 1s. 10d. doz.), i.r.p. 1s. 5d.; 30s. display orders assorted Allcock lines less 5 per cent.; £3 ditto, less 10 per cent. Further 2½ per cent. for monthly settlement. These prices and terms do not apply to Eire.

Part II.—*Wright, Layman & Umney, Ltd.*, Wright's coal tar shampoo powders, 32s. gross (tax, one-third), i.r.p. 4½d.

PERSONALITIES

MR. JOSEPH RITCHIE, M.P.S.I., 25 Cardigan Drive, Belfast, has retired from the Rumford Street Dispensary, Belfast, after over forty-two years' service.

MR. DAVID ANNAT, M.P.S., of Crieff, Perthshire, has been appointed chief pharmacist to the Ministry of Pensions Hospital, Stoke Mandeville, Aylesbury.

MR. R. W. E. WOOD, M.P.S. (a sales executive of Pharmaceutical Specialities (May & Baker), Ltd., Dagenham) has passed the final examination for the diploma of the Incorporated Sales Managers Association.

MR. A. T. WHEELER (managing director of Wheeler & Husking, Ltd., 26 Great Tower Street, London, E.C.3) left Britain on August 9 for a business trip to America. He is to visit Chas. L. Husking & Co., Inc., New York (an associated company), and he hopes also to visit California and Canada.

MR. H. DAVIS, PH.D., B.SC., PH.C., F.R.I.C., who has been appointed Chief Pharmacist to the Ministry of Health, will be concerned in particular with the part the pharmaceutical profession is to play in the National Health Service. He will probably commence his new duties at the beginning of October. A note on Dr. Davis' career was published in THE CHEMIST AND DRUGGIST, March 8, p. 246.

MR. GEORGE ERENYI, M.PH., Budapest, who was a representative of Hungary at the International Congress of Chemistry held recently in London, visited the offices of THE CHEMIST AND DRUGGIST on August 7. Mr. Erenyi, who is making a number of professional calls while in Britain, is in business with his father, Mr. Laszlo-Erenyi, M.PH., a retail and manufacturing pharmacist, Diana Pharmacy, Budapest, 7.

MR. D. R. COLLINS (Goya, London), broadcast recently in the "London Magazine" feature of the B.B.C. Home Service, and in the "Women's Hour" feature of the Light programme on perfumes. Many good perfumes will remain truly fragrant on pieces of material or paper for months, or even years, he said. Probably the most extreme case on record is that of the materials discovered in Tutankhamen's tomb, which, he said, were still faintly fragrant of the original perfume after thousands of years. Supplies of natural volatile oils were satisfactory, and this season's crops of rose, jasmine, orange blossom in the South of France and Italy, he said, promised well.

MEETING OF STATUTORY COMMITTEE

THE Statutory Committee of the Pharmaceutical Society met in London recently to consider information and evidence from which it appeared that: (1) A member of the Society dispensed a prescription otherwise than in accordance with the direction specified by the registered medical practitioner; and (2) a member of the Society was convicted of offences under the Pharmacy and Poisons Act, 1933.

An Objection Overruled

The member concerned in the first case appeared in person; he was not represented by counsel or solicitor. THE CHAIRMAN announced that he had received a letter from the member, in which the writer contended that his case did not constitute a criminal offence and should not have been brought up before the Statutory Committee. "We have considered that argument," said the chairman, "and there is nothing in it. The jurisdiction of the Committee is not limited to acts which constitute criminal offences. Indeed, in a very large number of cases we are not considering criminality, but conduct which pharmacists ought not to pursue." The Committee was bound by Rules made under the Act, he went on, which it had no power to alter. The Rules stipulated that the inquiry should be opened in public, though at any stage the Committee might, if it thought fit, decide to continue the hearing in private. He thought it most unlikely that in any case of that sort the Committee would think it right to hold the inquiry otherwise than in public. It would be most undesirable, because the Committee ought to give the appearance of doing full justice between man and man.

The Facts of the Case

The Pharmaceutical Society's solicitor then laid the facts of the case before the Committee. The inquiry, he said, arose out of a complaint made by a patient whose prescription, it was alleged, had been wrongly dispensed. In January 1944, the patient's medical attendant had given him a prescription for 0.1 gm. stilbœstrol tablets. The prescription was dispensed, and again dispensed at intervals for a matter of two and a half years. The patient's health did not improve and he consulted the doctor again in August 1946, when there was some discussion on the manner in which the original prescription had been dispensed. A copy of the prescription was obtained from the member of the Society, and the strength of the tablets was there shown to be 0.1 mgm. The patient complained to the Society, and the matter was taken up with the member, who wrote in reply:

> The prescription is for tablets 0.1 gm., and I can only conclude that the difference between it and my copy is the result of a genuine belief that I was correcting an error. I know I should have got in touch with the prescriber regarding the matter, and much regret not having done so. . . . The original error was on the part of the specialist, whose excuse is a typographical error. The local doctor should have observed the error when writing out the prescription and referred the matter back, just as I should have. . . . If it meant 1 mg. tablets to be prescribed, by putting 0 they seemed to rule that out. 0.1 gm. was obviously absurdly high, and it would, therefore, seem reasonable to conclude 0.1 mgm. was meant.

Phoned Doctor

In a subsequent letter, the member stated that he clearly remembered getting in touch with the doctor on the telephone, because the prescription stated diethyl stilbœstrol, and he wanted to know whether the doctor wished the usual stilbœstrol, or a variety of it, supplied, as he could not find any mention of the diethyl in any book of reference. The doctor had informed him that the usual stilbœstrol was intended, and that he thought diethyl stilbœstrol was the American way of naming it. The member firmly believed that, at the same time, he queried the dose and received the doctor's permission to supply the 0.1 mgm. strength, as the original was obviously an error.

THE CHAIRMAN, to Society's solicitor: There are two questions in the mind of a layman like yourself. The first is whether, in all circumstances, it is wrong for a pharmacist to depart from a prescription, and the second is whether, if that is the general rule, the departure in a particular case has or has not had serious effects?

Solicitor: As I understand the position, a pharmacist should always attempt to contact the prescriber, and, if unable to do so, should explain the position to the patient.

"Obvious Errors"

THE CHAIRMAN said there were some errors so obvious that no sane man would do anything other than correct them himself. For example, it was possible to get advice in writing from counsel in which he had, by an obvious error, left out the word "not."

Solicitor: One other matter upon which I should address the Committee is the

question whether—presuming the Committee accept that the prescription was altered, or was not dispensed in accordance with the prescriber's direction, that was competent within the meaning of the Section of the 1933 Act? It might well be said, on the member's behalf, that, if he had made a genuine mistake when making an entry in his prescription book, it was not a matter that could be regarded as misconduct within the meaning of the Section.

No Action Taken

After the member had given evidence, the Committee deliberated *in camera.* When strangers were readmitted, THE CHAIRMAN said the Committee had decided that the case was not a case in which any action ought to be taken on the evidence before them.

In the second case, the member was represented by Counsel. The Society's solicitor explained that, at one of the member's branch shops, proprietaries containing ephedrine had been sold to an inspector by an unqualified assistant, there being no registered pharmacist in charge. The member was summoned, and convicted and fined. He urged, in mitigation, the difficulty of obtaining qualified staff. The Committee heard evidence from the inspector, his agent, and the member, before deliberating *in camera.* Announcing the Committee's decision, THE CHAIRMAN, addressing the member, said that, when asked for an explanation, a step almost invariably taken by the chairman when he received notice of a conviction, the member thought he was being treated unjustly. Had he not reacted in that way, the Committee would not have been here that day, because he would merely have directed that the member should be warned. Having said that, he announced that the decision of the Committee was that no action should be taken on the matter.

DINNER TO CHINESE GRADUATES

MISS SZETO SHUK KAY and Messrs. Shen Chia Chiang, Tu Kuo Shih, Hsu Yu Chun, Lou Tze Ching, Wang Su Ming and Koo Hsüeh Chíu, were guests at a dinner held in London recently to celebrate their recent graduation as Batchelors of Pharmacy (see p. 197).

MRS. J. K. IRVINE (president, Pharmaceutical Society), who was in the chair, recalled that Mr. A. H. Bentley, who had been Government pharmacist in Hong Kong when the Japanese entered the war, had been taken prisoner. He had later escaped with the aid of Chinese friends who had befriended him at the risk of their own lives until he reached Chungking. Arriving in England in 1944, Mr. Bentley had approached the Pharmaceutical Society and the British Council with the idea of establishing scholarships which would enable Chinese pharmacy students to train in Britain as teachers. Seven manufacturing houses had each "adopted" a student and made the scheme possible. Mrs. Irvine concluded by congratulating the students and thanking the manufacturing houses (Allen & Hanburys, Ltd., Boots Pure Drug Co., Ltd., Evans Medical Supplies, Ltd., Glaxo Laboratories, Ltd., Imperial Chemical Industries, Ltd., May & Baker, Ltd., and the Wellcome Foundation, Ltd.) and the British Council for their co-operation.

MR. F. W. ADAMS (deputy secretary, Pharmaceutical Society) expressed the Society's good wishes to the students for a successful future in China as teachers of pharmacy.

PROFESSORS BERRY, LINNELL and BUTTLE, and DR. WALLIS, joined in acknowledging the high standard reached by the students. DR. CHEN (representing the Chinese Embassy) said the success of the scheme owed much to the organisation and work put into it by the staff of the Pharmaceutical Society, particularly by Mr. Adams. MRS. KITCHINGHAM (representing the British Council) thanked the Pharmaceutical Society and the manufacturing houses, and hoped the students, on return to China, would keep in touch with the British Council. DR. BOYES (Allen & Hanburys, Ltd.) and MR. HOLLIS (Boots Pure Drug Co., Ltd.) spoke for the companies, and MR. SHEN CHIA CHIANG and MISS SZETO SHUK KAY replied for the students.

Radiations From Fluorescent Lamps.—Fluorescent lamps are not harmful to the eyes in the view of certain authorities, for, although they emit ultra-violet radiation, this is not of shorter wave length than that found in the solar spectrum, and its intensity is less even than that in diffuse daylight. The operation of fluorescent lamps depends on the production inside the lamp of ultra-violet radiation shorter than that received from the sun. This is absorbed by a layer of fluorescent powders lining the tube, and in this way converted into visible radiation.

CHEMICAL CONGRESS LECTURES

Abstracts of papers presented before sections of the eleventh Congress of Pure and Applied Chemistry held in London recently

Cross-Linkages in Keratin.—Professor J. B. Speakman.—Interest in the synthesis of new cross-linkages between the main peptide linkages of keratin fibre was aroused by the discovery that the permanent "set" which strained wool fibres acquire in steam is due to the interaction of the basic side-chains with the products of hydrolysis of the disulphide bonds. Several methods of setting strained fibres at low temperatures were evolved, the general principle being to bring about relaxation by treating the fibres with reducing agents, and then to reunite the cysteine side-chains by means of oxidising agents, organic polyhalides and metal salts. Metal salts, including inorganic polymers, were afterwards used to correct the uneven dyeing properties of "tippy" wools.

Radioactive BAL.—Leslie Young and S. D. Simpson. — In order to synthesise 2:3-dimercaptopropanyl alcohol (British anti-Lewisite, BAL) with radioactive sulphur (S^{35}) incorporated in the molecule, hydrogen sulphide containing H_2S^{35} was used to prepare sodium hydrosulphide, and this was then allowed to interact with 2:3-dibromopropanol in methanol. In biochemical studies it was found that, when radioactive BAL was applied to the skin of rats, it was absorbed slowly. When injected intramuscularly (in the form of a solution in propylene glycol), it passed fairly rapidly from the site of dosing. After its administration to rats by cutaneous application or by intramuscular injection, it was found that S^{35} was distributed throughout the organism and did not appear to accumulate preferentially in any of the main organs. A large proportion of the S^{35} which passed from the site of administration of the radioactive BAL was excreted in the urine in the course of a few hours. Almost all the S^{35} excreted in the urine appeared to be present in the neutral sulphur fraction.

Antibiotics from Actinomycetes.—S. A. Waksman.—As many as 20 to 40 per cent. of the cultures of actinomycetes isolated from soils, composts, peats and dust have the capacity to produce agents that inhibit the growth of bacteria, fungi, or bacteriophages. The antibiotics vary greatly in the chemical nature, physical properties and anti-microbial activity or antibiotic spectra as shown below. Some of the antibiotics are active against gram-positive bacteria; others against gram-positive and gram-negative bacteria; some are active only against certain mycobacteria, or fungi, or bacteriophages. Of the four genera of actinomycetes, *Streptomyces* produces the greatest number of antiobiotics. Streptomycin has received the greatest consideration because of its activity against various gram-negative and gram-positive bacteria, including the acid-fast organisms, desirable physical properties, activity *in vivo,* limited toxicity, and rapid excretion from the animal body. It is produced by strains of *S. griseus* as well as by certain other actinomycetes.

Classification of Antibiotics of Actinomycetes on the Basis of their Chemical Properties.

I.—Soluble in ether and in other organic solvents:
1. Orange pigmented, neutral, slightly soluble in neutral aqueous solution—Actinomycin.
2. Non-pigmented, basic, soluble in acidified aqueous solution — Proactinomycin.
3. Colourless, fungistatic but not bacteriostatic agent—Acti-dyone.
4. Colourless, insoluble in water, present in mycelium—Streptomin.
5. Red - blue pigment, insoluble in aqueous acid solution, but soluble in aqueous alkaline solution—Litmocidin.

II.—Insoluble in ether, but soluble in other organic solvents:
1. Violet - blue pigmented substance, active against gram-positive, but not gram-negative bacteria—Mycetin.

III.—Soluble in water, insoluble in ether and in other organic solvents:
1. Bases soluble in aqueous acid solution; removed from charcoal by acid alcohol:
   (1) Little activity against *Bacillus mycoides* and *Serratia marcescens,* active against fungi — Streptothricin.
      (*a*) Closely related compounds, showing quantitatively different antibiotic spectra — Streptin, Streptolin, Lavendulin, Actinorubin.
   (2) Active against *Bacillus mycoides,* little activity against fungi—Streptomycin.

(*b*) Closely related compounds, showing somewhat different antibiotic spectra—E. typhosa factor, streptomycin B, streptomycin II.

2. Soluble in neutral aqueous solutions, removed from charcoal by neutral alcohol—Grisein.
3. Extracted from charcoal adsorbate and from mycelium by ether-alcohol mixture, some activity against *M. tuberculosis*—Nocardin.

IV.—Proteins:

1. Colourless substance, possessing lytic properties against living gram-positive bacteria and dead gram-negative bacteria—Actinomycetin.
2. Combined with orange pigment; largely bacteriostatic against gram-positive bacteria—Micromonosporin.

V.—Unknown agents—Smegmatis factor.

Chemistry of Streptomycin. — Karl Folkers.—Streptomycin has been found to have the formula $C_{21}H_{39}N_7O_{12}$. Treatment of streptomycin with methanolic hydrogen chloride showed that streptomycin has the general constitution of a hydroxylated base (streptidine) attached glycosidically to a nitrogenous disaccharide (streptobiosamine). Degradation of streptidine showed that it is one of the meso forms of 1, 3-diguanido-2, 4, 5, 6-tetrahydroxycyclohexane. Two series of degradative reactions upon streptobiosamine derivatives led to the elucidation of the structure of streptose and of streptobiosamine. Oxidation of streptomycin yields streptomycinic acid, which is antibiotically inactive. It was shown that it is the streptose moiety of streptobiosamine which is linked to streptidine.

Chemistry of Strychnine. — Sir Robert Robinson.—Isomerisation of strychnine with formation of neostrychnine is brought about by Raney nickel. The same process occurs in many derivatives. Recognition of the molecular rearrangements harmonises the data relating to the neo-series of bases. Neo-strychnine and nitrous acids affords a ketoxime-formamide which can be hydrolysed by dilute hydrochloric acid to hydroxylamine, formic acid and a hydrochloride derived from a *sec*-basic ketone. Pseudo-strychnine (hydroxystrychnine) can be conveniently prepared by the action of potassium chromate on strychnine N-oxide and some new reactions in this series are discussed.

BAL and Metallic Compounds.—R. A. Peters, L. A. Stocken and R. H. S. Thompson.—BAL 2:3 dimercaptopropanol has applications in medicine; treatment with therapeutic arsenicals, through the arsenoxide arising by oxidation, for instance, occasionally causes a severe exfoliative dermatitis; the injection of BAL in oily solution benefits at least 50 per cent. of patients suffering from such dermatitis. BAL has also proved of value in the treatment of acute mercurial poisoning. BAL-glucoside has been synthesised and also has promise of success in therapy.

Toxicity of D D T.—G. R. Cameron.—Hazards to human beings from DDT are most likely to arise from absorption of oily solutions through the skin, inhalation of mists, sprays or aerosols, and contamination of food. DDT is not a powerful poison and gives warning by premonitory symptoms and an increase in the number of white corpuscles in the blood. Its main action is on the central nervous system, especially the cerebellum and the higher motor cortex, whereby periodic convulsive attacks resembling epilepsy and bouts of trembling result. DDT can also damage the liver and, to a lesser extent, the kidneys, heart and voluntary muscles. It is stored in some tissues, especially the liver and fat, and may be excreted in the milk, so that cumulative effects may follow, but these are not of such an order as to warrant alarm. No genuine evidence of hypersensitisation has been recorded. No antidote is available, though urethane and phenobarbitone are effective in controlling the nervous symptoms of acute poisoning. Urinary excretion should be encouraged and elimination of residues in the alimentary canal assisted with saline cathartics. Fat should be discontinued in the food, and protein digests and methionine administered if liver injury is suspected.

Modern Insecticides.—F. P. Coyne.—DDT, Gammexane, 1068, and Toxaphene, were cited in chronological order and their chemical composition and physiological action discussed. It has been suggested that developments in the immediate future are more likely to arise from:—

(*a*) Production of formulations devised for specific purposes.

(*b*) Application techniques.

(*c*) Concentration of effort on entomological problems for which the present new group is not particularly effective.

Progress will necessitate the combined efforts of highly-trained specialists in Universities, research institutions, industrial organisations and Government Departments to a greater degree than has been common in the past.

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Official organ of The Pharmaceutical Society of Ireland, The Pharmaceutical Society of Northern Ireland, The Chemists' and Druggists' Society of Ireland and of other Chemists' Societies in the Empire.
VOL. CXLVIII AUGUST 16, 1947 NO. 3521

Injuries to Third Persons

One of the risks which every trader runs is that of being held liable in damages for injuries suffered by third persons in consequence, for example, of the dangerous condition of his premises. The risk is particulary sharp at present owing to the difficulty of getting necessary property repairs carried out.

At least two grounds exist on which such liability may be incurred: First, the trader, as occupier of the premises, must ensure that they are free from danger to persons lawfully coming on to the premises. Customers, of course, come within this category, since they come to the shop for a purpose in which the occupier himself has an interest. Such persons are called invitees. A postman delivering letters or a carrier delivering goods would equally be classed as an "invitee."

Liability of Occupier

But liability also extends to "licensees," i.e., persons who are permitted on the premises but in whose presence the occupier has no interest. It should be carefully observed that, so far as invitees and licensees are concerned, the liability of the occupier extends only to accidents happening *on* the premises. An occupier may also be liable to persons using the highway if they are injured. In that event the liability extends to accidents *happening on the highway* and *not on the premises,* since, if such a person were to be on the premises, he would be, in law, a trespasser; to trespassers the occupier is under no liability to keep his premises in a safe condition.

According to a recent decision, however, the liability of an occupier may extend to persons using the highway even when the accident happens on the premises themselves. Thus, if there is a forecourt which is not fenced or otherwise separated from the highway, and a passer-by were to step off the highway on to the forecourt inadvertently for the purpose, for example, of avoiding an obstruction, or even inadvertently, and if such passer-by, while on the forecourt, were to slip and fall owing to its unsafe condition, the occupier would be liable. This new decision amounts to a serious extension of the liability of occupiers, and every trader in his own interest should see that his insurance policy is so worded as to cover him against third-party risks of this kind.

Repairs to Premises

A trader may also protect himself in his lease from the landlord by taking adequate covenants to repair. It should be carefully observed that unless the landlord has expressly covenanted with the occupier, his tenant, to keep the premises in repair, the occupier would have no remedy against him, even though he, the occupier himself, had not undertaken any obligation on himself to keep the premises in repair. A landlord who has covenanted to keep premises in repair is liable only to his tenant in respect of accidents occurring on the premises themselves, because of non-repair. Thus the landlord could not be held responsible for an accident occurring to a customer while on the premises, even though the landlord had neglected to observe his covenant to repair. The landlord, however, would, if he was under covenant to repair, be liable to persons injured on the highway as a result of the non-repair of the premises. Even if he were not under such covenant, he would still be liable if he had at least reserved to himself the right to enter and inspect the condition of the premises and to execute any repairs if he thought fit to do so. The landlord would, moreover, be liable, even though he was unaware at the time of the defective state of the premises.

A Bird in the Hand

SOME ex-Service pharmacy students may be wondering whether they have, in fact, gained any great advantage from the Council's recent dicussion on examination concessions (see *C. & D.*, August 9, p. 174). The original recommendation of the Education Committee was that candidates who had served in the Forces before January 1, 1947, should be allowed to be referred in two subjects, instead of in one, on a first entry for the Intermediate, Chemist and Druggist, or Pharmaceutical Chemist examination. An amendment moved by Mr. Heseltine to increase to three the number of allowable referred subjects in each examination was rejected, but the Council later approved a resolution, also moved by Mr. Heseltine, that such ex-Service candidates, for the Chemist and Druggist examination only, should be allowed three referred subjects on a first entry, all three to be passed in one sitting on re-entry.

Normally such a motion would have been referred back to the Education Committee for more careful consideration, but as some of the candidates affected would be taking their examination before the next Council meeting, a decision had to be made at once. That the war service of such students entitled them to some concessions was not disputed. The problem was to decide whether Mr. Heseltine's proposal really made things easier for the candidate. Was it easier to have to pass in at least three subjects, leaving, at worst, only two subjects to be tussled with on re-entry, or to have to pass in only two subjects on first sitting, with the necessity for passing in all three referred subjects at the second attempt?

The Council's eventual decision, by a majority of only one vote, to favour the second course was perhaps prompted by the idea that a candidate finding it difficult to settle down to study after some years in the Forces would be encouraged by not having to achieve too much on a first entry. A pass in two subjects would be, as Mr. Hirst described it, "a bird in the hand." By the time of the second entry the student would be more likely to have completed the adjustment from life on the barrack square to life in the college laboratory.

It should be noted that there is to be no relaxation in the academic standard to be attained: either concession refers only to the number of subjects to be passed at one entry. The ex-Service candidate for the Chemist and Druggist examination may be referred, on a first entry, in three subjects, the candidate for the Pharmaceutical Chemist examination, in two.

Who Has "Distorted"?

AT the meeting of the Council of the Pharmaceutical Society of Great Britain held on July 30-31 (*C. & D.*, August 9, pp. 174-78) Mr. C. W. Maplethorpe moved the following resolution:—

> That the Council hold their meetings entirely in private in future and that a report of the proceedings be issued to the Press as at present.

In the course of his speech in support of his proposal, which, when put to the vote, was defeated, Mr. Maplethorpe is reported to have said:

> "The presence of the public Press lowered the dignity of the Society and encouraged members to speak with one eye on the Press. They undoubtedly got unbalanced reporting of Council proceedings when the public Press was present. A Councillor might make an unguarded remark, which he might correct in his subsequent speech; the remark was picked out and amplified and a distorted impression created."

The question whether the presence of representatives of the pharmaceutical Press lowers the dignity of the Society is purely a matter of opinion. Mr. Maplethorpe is, of course, entitled to make known his view on the point, however peculiar it may seem to our readers. So far as we are concerned, we feel that the regular attendance of our representative at the public sessions of Council meetings is justified by the safeguard it provides to members of the Society that some, at least, of the Society's activities are subject to independent reporting.

The second part of the speech quoted above raises a much more serious matter; it is a definite charge against the independent pharmaceutical Press (for the "public" Press, as generally understood, takes no interest in the Council's meetings) of "unbalanced reporting," "picking out and amplifying" and publishing reports which give to the reader a "distorted impression" of Council proceedings. For nearly a cen-

tury "Fair reporting and complete independence" has been an editorial tradition of THE CHEMIST AND DRUGGIST. Whether they are received from the Pharmaceutical Society or from some other of the many organisations of pharmacy and the drug trade, from Branches or Associations or from individuals, news items, reports of meetings or expressions of opinion have been handled and published on this basis. It is this policy of providing an impartial forum that has gained for THE CHEMIST AND DRUGGIST the confidence of all sections of the trade. We suggest Mr. Maplethorpe should not make such charges unless he is prepared to substantiate them.

BRITISH PHARMACEUTICAL CONFERENCE

THE titles of Science Papers to be read at the British Pharmaceutical Conference, Torquay, September 16 to 18, are as follows :—

"The Hygroscopic Capacity of Commercial Samples of Penicillin and its effect upon their stability." (H. Brindle and Winifred G. Keepe).

"Crystalline Sodium Penicillin G. Some observations on its stability in solution, and on related matters." (Betty Johnson and A. F. Lerrigo).

"Crystalline Sodium Penicillin G in pharmaceutical preparations." (W. A. Woodard).

"The Use of Antiseptics in the Sterilisation of Solutions for Injection. 1. The Efficiency of Chlorocresol." (G. E. Davies and J. E. Davison).

"The Analysis of Papaveretum." (D. C. M. Adamson, F. P. Handisyde and H. W. Hodgson).

"The *d*-tubocurarine Content of Curare." (G. E. Foster and J. V. Turner).

"A Colorimetric Method for Jaborandi Alkaloids." (W. F. Elvidge).

"The Determination of Calomel in Pills." (G. J. W. Ferrey).

"The Assay of Fullers' Earth for Montmorillonite Content." (Wilfred Smith).

"The Determination of Iodine in Chiniofon and certain other Iodo-Compounds." (A. D. Powell and E. A. Taylor).

"The Fluorimetric Assay of Aneurine ; a comparison of the U.S.P. XIII and other methods." (Hazel Williams and Frank Wokes).

"The Adsorption of Aneurine from Solutions of the Pure Substance." (C. Daglish).

"The Analytical Control of Pharmaceutical Preparations containing Vitamins B_1 and B_2." (W. F. Elvidge).

"Brazilian Jalap. Part I. Histology. Part II. Some comparisons between Brazilian Jalap and Vera Cruz Jalap." (E. J. Shellard).

"Valerian, European and Indian, Volatile Oil Content and Alcohol Soluble Extractive." (T. E. Wallis and P. K. Sanyal).

"Ammi Majus Linne : Pharmacognostical Study and Isolation of a Crystalline Constituent. Ammoidin." (I. R. Fahmy and H. Abu-Shady).

"Determination of Clove Stalk in powdered Clove." (T. E. Wallis and D. K. Santra).

"A Note on Solutions of Kiton Green for Vital Staining." (T. D. Whittet).

"The Evaluation of Bactericidal Activity of Ethylene Glycol and some of its Monoalkyl Ethers against Bact. Coli." Part I. (H. Berry and I. Michaels).

"The Evaluation of Bactericidal Activity of Ethylene Glycol and some of its Monoalkyl Ethers against Bact. Coli." Part II. (H. Berry and I. Michaels).

"Inactivation of Enzymes and Micro Organisms in Oils and Powders. Part I. The thermolability of lipase in powder form and in suspension in oil." (K. Bullock).

"Inactivation of Enzymes and Micro Organisms in Oils and Powders. Part II. The effects of drying on the viability of bacteria, and their thermolability in powders." (K. Bullock and J. W. Lightbown).

"The decline of Pyrogenic Activity in intravenous solutions during storage." (H. O. J. Collier and Sheila K. Paris).

"Local Anæsthetics." (G. F. Somers).

"Parachlorophenyl α-Glycerol Ether. An antibacterial and antifungal agent of pharmaceutical interest." (F. Hartley).

"Variations in Hand-made Pills." (D. C. Garratt and H. Davis).

At the Symposium Session. "New Emulgents and Ointment Bases." Speakers to be announced.

Sleeping-pill Habit.—Results of a British Institute of Public Opinion survey, published in the "News Chronicle" recently, showed that 2 per cent. of the public took "sleeping pills" regularly; 83 per cent., never; and that 15 per cent. took pills either occasionally or regularly (and gave a qualified reply).

A LIMITED CHOICE OF AUTHORS

By Adest

IN the third paragraph of the "Topical Reflections" of July 12, p. 37, there is a reference to the backwardness of early English printers in issuing medical treatises: physicians and apothecaries had to obtain from Continental sources such books as they required for their work. As the registers of the Worshipful Company of Stationers do not open till 1557, evidence about the beginnings of English printing is less complete than could be wished; but it clearly shows the scarcity of this kind of publication between 1557 and 1618, when the first London Pharmacopœia appeared, and we have no reason to suppose that the state of affairs during the previous eighty years was very different. Most of the earliest entries in the Stationers' Company registers relate to pamphlets and ballads. In the register for July 1558-January 1559 it is recorded that John Daye was licensed to print "a boke of phisyke called *the treasury of* . . . [Conrad Gesner] translated out of laten"; and among the entries for July 1567-January 1568 is: "serten verses in laten by hipocrates." But such records are rare. In 1525 Peter Treveris of Southwark published "The noble experyence of the vertuous handywarke of surgeri," which contained an "Antidotharius"; I have not, however, seen a copy of this book.

"Enchiridion Medicum"

The gap is to a small extent filled by a manual of considerable interest which appeared in 1612. Its title is "Enchiridion Medicum: containing an Epitome of the Whole Course of Physicke . . . Published for the benefite of yong students in Physicke, Chyrurgians, and Apothecaries. The second Impression, enlarged . . ." Some copies contain the name (probably a pseudonym) of the putative author, Petrus Pomarius Valentinus. The contents are, for the most part, arranged in the form of a dialogue between a doctor and a student—a popular literary form in the fifteenth and early sixteenth centuries; the student reeled off his answers with such fluency that we may suppose he was awarded first-class honours or the equivalent. The "antidotarie," the section of greatest use to apothecaries, occupies thirty-eight of the 172 pages of Part I: it is probably a compilation selected from well-known authors like Avicenna, Mesue and Nicholaus Præpositus. Part II, comprising 169 pages, deals with the "inward" diseases and includes several formulas, with "The Flowers of Celsus" thrown in. These flowers are a collection of "Aphorismes, excellent Sentences, witty Sayings, and generall Rules." The arrangement of the formulary is not very systematic. As a specimen of a formula printed as ordinary text, here is a pill for "the dimnesse of sight and weaknesse of the braine. ℞ Calami aromatici, cubebarum, nucis muscatæ, spicæ, squinanti, carpobalsami, epithimi, macis, masticis, asari, garyophilorum, myrobalsanorum critrini aa. ʒi, euphragiæ ʒss., rhabarbari ℈ v., turbit, colocyynthidis aa. ʒiss., agarici ʒss., aloes ʒiiss. Cum succo fœniculi fiat massa. The dose is from one Dragme to five scruples."

A Typical Formula

The composition of mithridate and of theriaca Andromachi is not disclosed: it is merely stated that they are always ready in apothecaries' shops. As a typical formula of the period I have selected a "restorative water":

> Take a Capon, or Phesant, or a Pertridge . . . and let him bee cut into small peeces and washed: then with Rosewater and vinegar, adde one dragme of Cinnamon.
>
> | | |
> |---|---|
> | Of Cloves ..... | ℈ ij. |
> | Manus Christi | |
> | Cum perlis ..... | ℥ss. |
> | Succi arantiarum ..... | ℥ij. |
> | Acetositatis citri ..... | ℥iij. |

These ingredients are to be boiled down to one-half "with a strong fire" and the product strained; but the original quantity of menstruum is not stated. It is to be feared that Mr. Valentinus did not make a more workmanlike job of his book than the compilers of the suppressed London Pharmacopœia of May 1618 did of theirs. Occasionally he became topical. Discussing pestilence, for instance, he made the marginal note: "I could wish that our common Gardeners about London might be inhibited from planting such a multitude of Cabbages, or at least might be compelled to bury deep under ground their rotten stalks and leaves." In that wish we may see a foreshadowing of hygiene even if the implied belief was fallacious.

MISCELLANEOUS INQUIRIES

Formulas given below may have been prepared for overseas subscribers and the inclusion of substances therein is no indication that they are available in Britain or, if available, permitted to be used for the purpose.

Bottled Disinfectants.—*H. L.*—The packaging of disinfectant in glass bottles of less than 2 fl. oz. is forbidden in the home market. Permitted sizes of glass bottles remain as set out in the Control of Containers and Packaging (No. 4) (General) Order, 1945, and Section 111A of the British Standard Schedule, No. 1048.

Compass Fluid.—*H.E.Y.*—The damping liquid placed inside certain marine and aircraft compasses consists of a mixture of alcohol and water, usually in the proportion of 2 : 1. The concentration is chosen to given optimum viscosity, while at the same time giving a solution inimical to the growth of fungi and bacteria.

Polystyrene Solvents.—*G.C.S.*—Certain types of polystyrene plastic material are dissolved by chloroform, acetone, benzene, toluene, trichlorethylene. These are usually swollen but not readily dissolved by methylated spirit, carbon tetrachloride, carbon disulphide, methyl ether, diethyl ether and petrol with high aromatic content.

Ballroom Floor Polish.—*N.C.*—A ballroom floor polish may be made as follows: —

Yellow wax	15 oz.
Carnauba wax	30 oz.
Oil of turpentine	45 oz.
Benzine	40 oz.

Chemical Cigarette-Lighters. — *E.A.P.* — The liquid used in the lighter you mention is usually methyl alcohol. At the bottom of the lighter is fixed a small filament coated with a catalyst. On pressing down the cigarette on to this filament and drawing air through, a reaction takes place with the methyl alcohol causing the filament to glow, and so lighting the cigarette.

Pigeon Pills.—*J.B.*—Tonic pills for pigeons may be prepared as follows: —

Ferrous sulphate	1 dr.
Capsicum, in powder	20 gr.
Extract of nux vomica	6 gr.
Gentian, in powder	½ dr.
Glycerin of tragancanth	a sufficiency.

Mix and divide into sixty pills. Coat with sugar. Allow each pigeon six pills per day.

Tomato Fertiliser.—*B.R.S.*—A tomato fertiliser may be made to the following formula: —

Hop manure	45
Bone meal	45
Dried blood	5
Superphosphate	5

A little of this manure should be sprinkled round each plant in a circle some inches from the tomato stem. Watering of the plant should be done occasionally but thoroughly.

Photographing a Patient.—*L. R. M.*—The difficulty of photographing a patient in bed is no new one. One method by which it was overcome by the staff photographer in a leading hospital was by clamping the camera to a pair of steps about 6ft. 6in. high, which thus enabled the camera to be brought over the patient. A photographic illuminating lamp on flex was plugged into the existing light fitting over the bed, and either full-length or close-up photographs were obtained by interchanging lenses.

Red Polish.—*P. H. S.*—A red polish may be made to the following formula. The colour may be varied by increasing or decreasing the amount of venetian red:

Kiesulguhr	3 oz.
Venetian red	3 oz.
Precipitated chalk	1½ oz.
Citric acid	1½ oz.
Alum	1½ oz.
Talc.	1 oz.

Campden Tablets.—*N.T.*—Campden tablets consist essentially of a sulphur-dioxide liberating salt, usually commercial potassium metabisulphite. They should be stored in airtight glass containers as on exposure to air they become oxidised to sulphate. The preserving solution should contain the equivalent of 4 gr. of sulphur dioxide in one pint, and since potassium metabisulphite contains about 54 per cent. sulphur dioxide, a tablet weighing 8 gr. will be required. Estimation of the strength may be made by the method of the fourth Addendum to the British Pharmacopœia for sodium metabisulphite.

Perspiration Deodoriser.—*L.R.*—The formula given below prepares a cream suitable for use as a perspiration deodoriser: —

White wax	8 oz.
Neutral hydrocarbon oil	24 oz.
Sodium borate	100 gr.
Benzoic acid	20 gr.
Salicylic acid	400 gr.
Hot water	6 oz.

Melt the wax and oil and heat to about 160° F. Dissolve the other materials in the water, heat to the same temperature as the wax solution, and pour into the latter, beating briskly until the cream is formed.

Hand Lotion.—*L.R.G.*—The following formula is for a hand lotion: —

Tragacanth	2 dr.
Quince seed	15 dr.
Sodium borate	6 dr.
Boric acid	1 fl. oz.
Glycerine	10 fl. oz.
Alcohol	10 fl. oz.
Sodium benzoate	3 dr.
Boiling water	80 fl. oz.
Perfume and colour ...	of each a sufficiency.
Water	to 128 fl. oz.

Add the tragacanth to 32 oz. of water, stirring until it becomes a homogeneous mixture. Steep the quince seed in the boiling water for four hours, stirring frequently, then strain carefully; dissolve the borax and boric acid in the remainder of the hot water. Add the perfume and glycerine dissolved in the alcohol, and finally the tragacanth and quince seed mucilage, which have previously been mixed, portion by portion, shaking after each addition. The consistency of the lotion may be varied by the addition of water.

CORRESPONDENCE

Long Titles

SIR, — I read with interest and understanding the letter of "Pharmassistant" (*C. & D.*, August 2, p. 149). By examining the endorsements of the paid cheques I found that most wholesale houses accept abbreviated titles, and it would be well if all would do so. All wholesale firms, on request, supply printed addressed envelopes free of charge. These hints should solve the problems mentioned by "Pharmassistant."

DUBLIN.

Codeine in Tablets

SIR,—With reference to your Editorial (*C. & D.*, August 2, p. 145) we most certainly agree with you, except that it has always been our opinion that "Codeine" referred to the hydrous alkaloid (M.W. 317.19, B.P.C. pp. 341 and 1549) and all our calculations are based on this, bringing Tab. Codein Co., B.P.C., out of Schedule I. We have always assumed that, since only in the case of morphine is anhydrous specified, in all other cases the alkaloid of the monographs should be considered the basis of calculation, e.g., "Codeine" has H_2O, whereas "Cocaine" is anhydrous. It is truly amazing and disturbing that we should have to discuss this in A.D. 1947.

Yours faithfully,

AYRTON, SAUNDERS & CO., LTD.

Liverpool, 1. N. MARSH, *Director*.

Marked in Plain Figures

SIR,—In your leading article in your issue of August 9 (p. 171) you close your summary of the revised dispensing fees with an appeal to all chemists to mark the actual price charged for dispensing, in code. on the prescription, for the benefit of any other chemist who may be called upon to dispense the prescription at a future date. I most strongly agree that the price should be marked on each private prescription, but I fail to see any advantage in marking it in code. Surely it is far better to be quite open about this, and mark it plainly in figures. Should a prescription be marked in code, there is always the uncertainty as to which code has been used, and as every chemist is afraid of overcharging his neighbour, there is a tendency to err on the side of undercharging. I find that where the price is plainly stated in figures this tendency is completely eliminated.

Newcastle, Staffs. W. F. REDFERN.

A NEW ANALGESIC

METOPON HYDROCHLORIDE, a morphine derivative possessing an analgesic action at least twice that of morphine, is to be made available shortly in America ("Journal of the American Medical Association," May 17, p. 291). Other advantages of the substance over morphine include comparatively slow development of tolerance and dependence, and quicker disappearance of tolerance; the drug is nearly devoid of emetic action; and analgesic doses produce little or no respiratory depression, and "much less mental dulness" than morphine. It is relatively highly effective by oral administration. The drug, methyl dehydromorphinone hydrochloride, differs chemically from morphine in three particulars:— one double bond of the phenanthrene nucleus has been reduced by hydrogenation; the alcoholic hydroxyl has been replaced by oxygen; and a methyl group has been attached to the phenanthrene nucleus.

The absence of nausea, vomiting, and other undesirable effects, and the comparatively slow development of dependence, make the drug of particular value in cases of cancer. The dose is 6 to 9 mgm., repeated only on recurrence of pain. Regular, timed, dosage should be avoided, and the dose should be kept at the lowest level compatible with adequate relief of pain. Tolerance to the drug can be delayed, or interrupted entirely by withholding the drug occasionally for twelve hours or for as much of this time as the incidence of pain will permit.

FIFTY YEARS AGO

Popular Lectures on *X*-rays

(*From the C. & D.*, August 14, 1897)

POPULAR lectures on the *x*-rays are being given in Paris by M. Rémond, assistant to M. Gaston Seguy, of the School of Pharmacy, the inventor of the *lorgnette humaine*. A *C. & D.* representative attended one of these lectures . . . M. Rémond commenced by explaining Crookes' and Röntgen's discoveries, and made several "popular" experiments. For instance, a number of minerals, enclosed in a glass tube and subjected to the discharge, assumed the varied colours of a bouquet of flowers. In the second part M. Seguy's *lorgnette humaine* was introduced, and many curious experiments were made. A young lady was asked to go on the platform, and the bones in her hands and arms were shown by the apparatus.

ENGLISH HERB CROP REPORTS

W. J. Bush & Co., Ltd.—The acreage planted with CHAMOMILE is very small and supplies will be extremely limited. LAVENDER.—The acreage planted is very small, and although the plants are doing well, there will be little oil available. PEPPERMINT.—The acreage will be about the same as last season. Bad weather in the Spring prevented an increase in planting, but the crop is now looking in very good condition.

Joseph Flemons & Sons, Ltd.—The demand for medicinal herbs seems still, in the absence of large imports, to be maintained. Weather conditions, during the past very severe winter, appear to have affected a few herbs, and the present harvesting season, which commenced two or three weeks late, has made us exceptionally busy in our efforts to catch up in the drying and processing of our products, most of which are gathered from wild plants. Included in the list of those which are expected to yield a fairly normal supply are: BROOM TOPS, BURDOCK, WILD CARROT, CHAMOMILE, COMFREY and COLTSFOOT. Average supplies are also expected of ELDER BERRIES and LEAVES, MISTLETOE, RASPBERRY LEAVES, TANSY and YARROW. The hot, dry weather has influenced wild plants of DIGITALIS (*purpurea*) and the crops will be small; other crops which will be scarce are BELLADONNA (wild), WHITE BRYONY ROOT and PARSLEY PIERT. Among products which are scarce are DANDELION ROOT and POPPY PETALS. There will be good supplies of MALE FERN.

Potter & Clarke, Ltd.—This year's herb crop has not been quite as good as we have experienced in former years as considerable damage was done by the severe frosts of the winter which were followed by floods and by a period of drought. Broadly speaking the labour situation is rather worse than previously, but we expect to have reasonable supplies of herbs. BELLADONNA.—Plantations were adversely affected by frost and the supply will be short. BITTERSWEET. (*Solanum dulcamara*).—A normal crop is expected. BLACK BRYONY.—An average crop of the root will be dug soon. CHAMOMILE.—Considerable damage caused by frost and drought has left a small crop only. CORIANDER.—This is looking very well and should provide some excellent seed. DANDELION ROOT.—A good crop but so far roots are small. DIGITALIS (*purpurea*).—Plantations in the South are doing well but in the Midlands a poor crop is expected. DILL.—An average yield is expected. FENNEL.—Drought after sowing destroyed most of our crop. PEPPERMINT.—Not a very good crop is expected this year as plants are stunted in growth. SPEARMINT.—Very good quality; insufficient acreage has been allowed for the heavy demands.

Stafford Allen & Sons, Ltd. — The weather this year has been unfavourable in Suffolk, a very wet and cold early Spring being followed by two months of very dry weather, and although there has been rain since, it came too late to undo all the damage done. ACONITE.—A small crop but it is looking very well. BELLADONNA.—In spite of the very cold weather, our plantations have come through exceptionally well. Young plants are going ahead well. BROOM TOPS.—Extensive collections of good quality tops, chiefly for the manufacture of sparteine sulphate, have been made. CHAMOMILE. — The crop will be only moderate. The severe winter killed many plants and the remainder were severely checked by the dry weather. This crop now is in need of more sunshine. DILL.—This is looking very healthy but as a result of the dry weather the "straw" is very short, so possibly the crop will be on the light side. DIGITALIS (*purpurea*). — This was held back by the drought but is now growing strongly and looking very well. DIGITALIS (*lanata*). — This has not recovered to the same extent as the *purpurea* and the crop will be small. ELDER FLOWERS. — A good collection was made and we hope to have ample supplies of Water. HYOSCYAMUS.—The second year plants were unable to grow strongly; the rain came too late, so that the weight obtained was lower than usual. The first year plants are looking extraordinarily well and are better than we have had for many years. We quite hope to have a bumper crop. LAVENDER.—The demand for English oil has been increasing and we have tried to enlarge our acreage but many plants were killed by the cold and wet weather in the early part of the year. The surviving plants are doing quite well but harvesting will be later than usual as they will not be in full bloom probably until well into August. PEPPERMINT.—It is a little early to say much about this but it is a most difficult crop to keep clean, especially with the present cost of labour. The demand for English peppermint oil is considerably larger than available supplies.

TRADE REPORT

Spot quotations for pharmaceutical chemicals represent the prices for wholesale quantities of standard quality. Prices of crude drugs and essential oils vary as to brand or grade.

28 Essex Street, W.C.2, August 13

THERE have been few changes in the markets for PHARMACEUTICAL CHEMICALS during the past week. A good inquiry has been received from home and overseas buyers but little new business has been transacted. ASPIRIN and ACETANILIDE are still in poor supply as a result of the continuing shortage of ACETIC ACID. Supplies of SALICYLIC ACID are also difficult but a better output of SODIUM SALICYLATE is reported. Lower prices are reported for SODIUM POTASSIUM TARTRATE and the new rate for 1 cwt. is 182s. 6d. SEIDLITZ POWDER has also been reduced in price. TERPINEOL is in fair demand from germicide manufacturers and reasonable quantities are now available.

Crude Drugs

The markets remain rather quiet with prices generally unchanged. There is an indication that holders are anxious to move their stocks and would be prepared to entertain reasonable bids. No further information has been received as to the position of future supplies of drugs which are imported from hard-currency countries. In view of the currency difficulties there are very little prospects of further imports of Japanese AGAR. There are, however, ample stocks of South African agar in powder with a good gelling test and a lower ash content than the B.P. requirements; spot quotations for this material are at 20s. per lb. Canada BALSAM, in rather short supply, is firmer at 16s. per lb. CAMPHOR continues firm at previously quoted prices. Very little old-crop CASCARA SAGRADA is available on the spot and the market is very firm. There have been fair arrivals of Brazilian MENTHOL, and more interest has been shown in this item. QUINCE SEEDS are easier on the spot. Some of the RHUBARB in recently arrived parcels is wormy and is not graded properly. WAXES are fairly steady but BEESWAX is firmer forward. SHELLAC is a quiet and easy market with F.O.T.N., spot at 260s. per cwt.

Essential Oils

A fair business has been transacted in ESSENTIAL OILS and prices have, with few exceptions, been at former levels. CASSIA has eased slightly and there has been a shading in the quotations for imported JUNIPER BERRY OIL. ANISEED is in better supply but prices show some variation according to holder. An improvement is reported in the supplies of a large range of SYNTHETICS and ISLATES; prices of these products are fairly stable and demand continues on a high level.

U.S. Drug and Chemical Report

New York, August 8

TOTAL output of the U.S. chemical industry is now more than 85 per cent. above the 1935-39 average, with production of industrial chemicals more than 300 per cent. higher. Exports continue on a very high level and the volume of domestic trade is maintained although values for May show lower totals due largely to a decline in prices at that time. Lower prices are announced for DDT which is now offered at 37½ to 48 cents per lb., according to quantity. Decreased rates are also reported for STEARATES following a reduction in the cost of STEARIC ACID. A record total is reported for domestic production of SULPHUR. A large quantity of UREA was imported recently from Antwerp, while substantial quantities of AMIDOPYRINE and PHENAZONE have been released for export. The domestic market has been aggravated by this export move. The MENTHOL situation remains unsettled. Dealers are now asking around $4.00 per lb. for SACCHARIN—a considerable reduction on quotations in force in the early months of 1947 but still well above makers' schedules. Competitive conditions still prevail in PENICILLIN despite the announcement of a new record low price last week.

Activity on the local CRUDE DRUGS market continues on a very small scale. Lower CARNAUBA WAX (No. 1) prices are predicted on the arrival of new lots from primary sources. The ESSENTIAL OILS market is hardening and a reversal of the downward price trend of many items now appears to be developing. ANISEED is higher in the primary market and Italian LEMON and BERGAMOT are firmer. On the other hand, domestic SPEARMINT OIL has again moved lower, to $9.50 from $10.00 last week.

Pharmaceutical Chemicals

ACETIC ACID.—Maximum prices per ton are as follows: B.P., in quantities of 1 ton or over, in one delivery, £32 10s.; commercial glacial (98-100 per cent.) £70. Less than one ton, but not less than 10 cwt., £1 per ton more than these prices; less than 10 cwt but not less than 4 cwt., £2 more. Terms are inclusive of all delivery charges to buyer's premises; containers are chargeable if retained by the buyer.

ATROPINE.—Home trade prices per oz. are as follows: ALKALOID, 42s. 6d.; 4 oz., 42s.; 25 oz., 41s. 6d. SULPHATE, 34s.; 4 oz., 33s. 6d.; 25 oz., 33s. METHYLBROMIDE and METHYLNITRATE, 75s.

BENZALDEHYDE.—B.P.C. quality, in good supply, is quoted at 4s. 9d. to 5s. 6d. per lb., according to quantity.

CARBIOMAL.—Importers' prices are from 32s. 6d. to 35s. per lb., as to quantity.

CHLOROCRESOL.—Makers' quotations are : 1 cwt., 4s. per lb. ; 56 lb., 4s. 3d. ; 28 lb., 4s. 6d. per lb.

GLYCERIN, B.P.—Current prices per cwt. and terms are as follows :—

Containers	Quantities									
	Under 1 cwt.	1 cwt. and under 2½ cwt.		2½ cwt. and under 5 cwt.		5 cwt. and under 10 cwt.		10 cwt. and under 20 cwt.		
Tins :	s.	s.	d.	s.	d.	s.	d.	s.	d.
14-lb.	154	149	6	148	6	145	6	144	6
28-lb.	151	147	0	146	0	143	0	142	0
56-lb.	148	144	6	143	6	140	6	139	6
Drums :									
1 cwt.	—	133	6	132	6	129	6	128	6
2½ cwt.	—	—		130	6	127	6	126	6
5 cwt.	—	—		—		127	0	126	0
10 cwt.	—	—		—		—		125	6

1 ton and under 5 tons, 14-lb. tins, 140s. 6d. ; 28-lb. tins, 138s. ; 56-lb. tins, 135s. 6d. 1-cwt. drums, 124s. 6d. ; 2½-cwt. drums, 122s. 6d. ; 5-cwt. drums, 122s. ; 10-cwt. drums, 121s. 6d.. 5 ton and upwards, 14-lb. tins, 139s. ; 28-lb. tins, 136s. 6d. ; 56-lb. tins, 134s. ; 1-cwt. drums, 123s. ; 2½-cwt. drums, 121s. ; 5-cwt. drums, 120s. 6d. ; 10-cwt. drums, 120s. In glass packages, prices per lb. are as follows: 1-lb. bottles, 1s. 8½d. ; 1 winchester, 1s. 7½d. ; 3 winchesters, 1s. 6½d. ; 6 winchesters, 1s. 6d. ; 12 winchesters, 1s. 5½d. Revised conditions: Tins and cases free, glass packages and iron drums charged extra and returnable. Drums will be credited in full (1cwt., 20s. ; 2½-cwt., 60s. ; 5-cwt., 75s. ; 10-cwt., 100s.) only if returned carriage paid within six months of date of invoice, but if retained beyond this period their actual value only will be credited which will not in any instance exceed two-thirds of the invoice price. Revised terms: Discount, 2½ per cent., monthly account, except when in glass packages, rates for which are strictly net.

GLYCEROPHOSPHATES. — Makers' rates per lb. for small quantities are as follows: ACID, 20 per cent., 8s. 3d. ; CALCIUM SOLUBLE, 10s. 6d. ; IRON SCALE, 11s. 9d. ; MAGNESIUM (INSOLUBLE), 10s. ; MAGENSIUM (SOLUBLE), 19s. 3d. ; MANGANESE, 24s. 3d. ; POTASSIUM, 50 per cent., 5s. 11d. ; 75 per cent., 7s. 9d. ; SODIUM, 10s. 9d. ; 50 per cent., 4s. 7d. ; 75 per cent., 5s. 8d. Quantities of 7 lb., 6d. per lb. lower than above rates.

MORPHINE.—Prices per oz. current in the home market are: PURE, ½ oz., 55s. 3d. ; 1 oz., 52s. 9d. ; 2 oz., 51s. 3d. ; 3 oz., 50s. 6d. ; 4 oz., 50s. 3d. HYDROCHLORIDE, ½ oz., 46s. 9d. ; 1 oz., 44s. 3d. ; 2 oz., 42s. 9d. ; 3 oz., 42s. ; 4 oz., 41s. 9d. ; BIMECONATE and TARTRATE, as PURE ; ACETATE, HYDROBROMIDE and SULPHATE, as HYDROCHLORIDE.

PEPTONE. — Importers' quotations are from 13s. to 15s. per lb., according to quantity.

PHENACETIN.—In limited supply. Small quantities would be worth 4s. 6d. per lb.

PHENAZONE.—Current quotations are from 20s. to 25s. per lb., according to quantity.

PHENOBARBITONE.—Quotations for the acid and the SOLUBLE salt are from 35s. to 39s. per lb., as to quantity.

PILOCARPINE. — Makers' current rates per oz. are as follows: ALKALOID.—1 oz., 37s. ; 4 oz., 36s. 6d. ; 25 oz., 36s. HYDROCHLORIDE.—1 oz., 32s. 6d. ; 4 oz., 32s. ; 25 oz., 31s. 6d. NITRATE.—1 oz., 30s. 3d. ; 4 oz., 29s. 9d. ; 25 oz., 29s. 3d.

POTASSIUM PERMANGANATE.—Prices are unchanged, and are as follows: B.P. (in 1-cwt. drums), 1 cwt. and over, 1s. 8½d. per lb. ; 3 cwt. and over, 1s. 8d. TECHNICAL (in 1-cwt. drums), 1 cwt. and over, 166s. 3d. per cwt. ; 3 cwt. and over, 161s. 9d. ; 5 cwt. and over, 159s. 3d. ; 1 ton and over, 156s. 9d. ; 4 tons and over, 154s. 3d. TECHNICAL (in 5-cwt. drums), 5 cwt. and over, 156s. 9d. ; per cwt. ; 1 ton and over, 154s. 3d. ; 4 tons and over, 152s. Terms, net, carriage paid to nearest station, containers extra and returnable.

PROCAINE HYDROCHLORIDE. — Current quotations are from 42s. 6d. to 45s. per lb., according to quantity.

SALICYLATES.—Makers' prices per lb. (containers in brackets) for SODIUM SALICYLATE, current in the home market, are as follows: 28 lb. and under 1 cwt., 3s. 2d. (1-lb.), 3s. 1d. (2-lb.), 3s. 0½d. (4-lb.), 2s. 11½d. (7-lb.), 2s. 11d. (14-lb.), 2s. 10d. (28-lb.). Net one month.

SALICYLIC ACID.—Makers' prices per lb. (containers in brackets) are as follows: 14 lb. and under 28 lb., 2s. 9½d. (1-lb.), 2s. 8½d. (2-lb.), 2s. 8d. (4-lb.), 2s. 7d. (7-lb.), 2s. 6½d. (14-lb.), 28 lb. and under 1 cwt., 2s. 8½d. (1-lb.), 2s. 7½d. (2-lb.), 2s. 7d. (4-lb.), 2s. 6d. (7-lb.), 2s. 5½d. (14-lb.), 2s. 4½d. (28-lb.). Net one month.

VANILLIN.—Current rates are: 5 cwt., 22s. per lb. ; 1 cwt., 22s. 3d. ; 56 lb., 22s. 6d. ; smaller quantities, 22s. 9d. per lb.

Crude Drugs

AGAR.—Japanese strip in original packages is still available at 18s. 8d. per lb., plus 28s. 6d. per bale of 100 lb.

BALSAMS.—Spot quotations for *Canada* are rather firmer at 16s. per lb. Pará *Copaiba*, spot, is quoted at 8s. per lb. for soluble and 7s. 3d. for insoluble. *Peru* is available at 7s. 3d. per lb., duty paid. *Tolu* is steady at 18s. per lb., spot.

BAY LEAVES.—Leaves without stems are offered on the spot at 95s. per cwt.

CAMPHOR.—Firm. Chinese tablets (¼-oz.), quoted at 11s. 3d. to 11s. 6d. per lb., spot; refined powder (B.P.), 11s.; Formosa (B.B.), 10s. 3d.; 2½-lb. slabs, afloat, quoted at 10s. 6d. per lb., landed, duty paid. Chinese crude, 93-95 per cent., 7s. per lb.

CANTHARIDES.—Chinese, on the spot, is quoted at 15s. per lb.

CAPSICUMS.—East African, steady at 120s. to 140s. per cwt., according to quality.

CARDAMOMS.—Very little demand in this market. Mangalore, half-bleached, A's, are quoted at 8s. 9d. per lb.; B's, 8s. 3d. per lb.; seeds, 7s. 9d. per lb., spot. Aleppy seeds, No. 1, offered at 8s. per lb.; Aleppy greens, 7s. per lb., spot.

DRAGONS BLOOD.—Singapore reboiled No. 1 is at £80 to £85 per cwt., spot; second-grade material is available at £65.

GUM ACACIA.—Quotations for Kordofan cleaned sorts are at 73s. per cwt., ex store; shipment 67s. 6d., c.i.f. Bleached No. 1 is quoted at 145s., ex store, and Talha at 40s. per cwt., spot; forward, 37s. 6d., c.i.f.

GUM MASTIC.—Quiet. No. 1 is offered on the spot at 14s. per lb., duty paid.

HELLEBORE.—Spot quotations are at 3s. 3d. per lb.

IPECACUANHA.—Spot, Nicaraguan root continues firm at 27s. per lb. Colombian root for shipment is quoted at 22s. 6d., c.i.f.

IRISH MOSS.—French material, finest-quality bleached, quoted at 120s. per cwt., spot; No. 1, 105s.; No. 2, 95s. per cwt.

JALAP.—Vera Cruz, offered at prices from 4s. to 4s. 6d. per lb., according to test.

MALEFERN.—Jugo-Slav is available at £85 per ton, spot.

MENTHOL.—Brazil is in rather better inquiry and prices on the spot are steady at from 44s. to 45s. per lb., duty paid; forward, 39s. to 40s., c.i.f. Chinese, in original cases, 50s. to 52s. 6d. per lb., duty paid.

MERCURY. — Spot quotations are at £17 3s. 6d. per flask, ex warehouse; for shipment, £16 12s. 6d., c.i.f.

MYRRH.—Aden sorts is quoted at £14 to £15 10s. per cwt., according to quality; siftings, £8 to £10 per cwt.

NUTMEGS.—West Indian 80's are steady on the spot at 2s. 9d. per lb.; unassorted are available at 2s. 3d. per lb.

PAPAIN.—East African on the spot is quoted at 33s. per lb.

PIMENTO.—Steady. Spot quotations are at 1s. 2d. per lb.; to arrive, 119s. per cwt., c.i.f.

QUINCE SEEDS.—Spot quotation is at 6s. per lb.

RHATANY.—Steady. Spot quotations are unchanged at 11d. per lb.

RHUBARB.—Spot quotations for Chinese rough round are from 6s. to 8s., according to fracture; forward, from 4s. 6d. to 6s. 6d., c.i.f. Wormy material with an admixture of high dried is offered at 4s. 6d. per lb. French rhapontica, 2s. per lb., spot.

SEEDS.—The market has been quiet with several slight changes. ANISE.—Cyprus, 2s. 3d. per lb.; Turkish, 2s. 1d., spot London or Liverpool. CARAWAY.—Dutch, 1s. 1d. per lb., duty paid, spot London. CELERY.—Indian, 1s. 4d. per lb., spot Liverpool. CORIANDER.—Spot. Morocco, 45s. per cwt., duty paid, ex wharf London; Argentine, 42s. per cwt., duty paid in London; English, nominal, 75s. per cwt. CUMIN.—Spot. Indian, 235s. per cwt., ex wharf Liverpool or Hull; Cyprus, 232s. 6d. per cwt., ex wharf London. DILL.—Indian, 42s. 6d. per cwt., offered spot London, and 40s. quoted ex wharf Liverpool. FENNEL.—Indian, 95s. per cwt., spot London; 92s. 6d. per cwt., spot Liverpool. FENUGREEK.—Indian, 45s. per cwt., ex wharf London; 42s. 6d. per cwt., quoted in Liverpool.

SENNA.—Steady with a fair demand for the better grades of leaves and pods. Tinnevelly leaves, spot, No. 1, 1s. 2d.; No. 2, 10½d.; No. 3, 9d. to 9½d.; No. 4, 8½d. Tinnevelly pods, hand-picked, 10½d. to 1s. 4d.; manufacturing, 6d. to 6½d. Alexandrian pods, hand-picked, spot, from 4s. 9d. to 5s. 9d., according to quality; medium, 2s. 9d.; manufacturing, 1s. 9d. to 2s. per lb.

TRAGACANTH.—A easier market. Selected ribbon is quoted at £150 per cwt.; other grades of white ribbon are available at from £75 to £120 per cwt. Prices of lower grades are as follows: Pale leaf, £50 to £70; amber leaf, £35 to £45; red leaf, £17 to £25; hoggy, £12 to £15.

WAXES.—BEES', Dar-es-Salaam, is steady at 345s., spot; shipment, firmer at 340s., c.i.f. Lindi, spot is quoted at 342s. 6d.; shipment, 335s., c.i.f. Benguela is quoted at 315s., in bond; for shipment, 297s. 6d., c.i.f. CANDELILLA.—Spot is steady at 420s. per cwt.; shipment, 390s., c.i.f. CARNAUBA.—Fatty grey, 640s. per cwt., spot; afloat, 580s., c.i.f.; for shipment, 480s., c.i.f. Prime yellow is at 750s., spot; for shipment, 660s., c.i.f. MONTAN.—Steady. Reibeck is quoted at 390s. per cwt., spot; Czechoslovak crude, 330s., spot. OURICURI.—5 per cent., for shipment, 330s. per cwt., c.i.f.; 2 per cent. forward, 350s., c.i.f.; 7-9 per cent., 370s., spot; 9 per cent., 375s., spot.

Essential and Expressed Oils

ALMOND.—B.P. (sweet) is quoted at 8s. to 12s. per lb., according to seller. Bitter, oil, to come forward, is quoted at 25s. to 27s. 6d. per lb.

ANISEED OIL..—Spot quotations are from 5s. 6d. to 6s. per lb. September-October shipment, 3s. 6d. in drums and 3s. 10d. to 4s. in tins and cases, landed.

BAY.—West Indian is steady on the spot at 8s. to 9s. per lb.

CADE.—Spot quotations are at from 4s. to 5s. 6d. per lb., according to quantity.

CANANGA.—Spot quotations for Java oil are from 35s. to 40s. per lb.

CASSIA.—Not much available. Spot quotations are from 16s. 6d. to 18s. per lb., as to quantity.

CASTOR. — Controlled prices are unchanged: Firsts, £180 per ton; seconds, £176, naked ex works.

CINNAMON LEAF. — Spot supplies are quoted at from 11s. 6d. to 13s. 6d. per lb.

CITRONELLA.—Supplies on the spot may be bought at prices from 7s. to 8s. per lb.

CLOVE.—English-distilled bud oil is steady at 11s. 6d. to 12s. per lb., according to quantity.

CORIANDER.—English-distilled, 250s. per lb,. nominal.

GUAIACWOOD.—Quoted at 16s. to 19s. per lb., spot, according to quantity and seller.

JUNIPER BERRY.—English-distilled, from European berries, is quoted at 125s. to 135s. per lb. Imported oil can be obtained at prices from 30s. to 35s. per lb.

LEMONGRASS.—Steady. Spot quotations are from 7s. 6d. to 9s. per lb.

LIME.—Quotations for West-Indian distilled are from 31s. to 34s. per lb. and not as given last week.

NEROLI.—Spot quotations are at from 87s. to 92s. per oz., according to quantity.

NUTMEG.—English-distilled oil is steady at 45s. to 55s. per lb., spot; West-Indian distilled, to come forward, 42s. 6d. to 45s. per lb., landed.

OLIVE.—The price of edible, 1 per cent., to wholesalers is 51s. per gall. of 9 lb., in drums, ex store. Wholesalers' prices to retailers are as follows: In gall. loan cans, 58s. 9d. per gall.; in ½ gall., 59s. 6d.; in quart loan containers, 60s. 4d. and in pint containers, 61s. 4d. per gall., all delivered.

ORIGANUM.—Quoted at 18s. 6d. to 19s. 6d. per lb., spot.

PALMAROSA.—Spot quotations are at from 32s. 6d. to 37s. 6d. per lb., according to seller and quantity.

PENNYROYAL.—Quotations for supplies to be available on the spot shortly are from 23s. to 25s. per lb.

ROSEMARY.—Spanish is quoted at 8s. 6d. to 11s. per lb., according to seller and quantity.

THYME. — Red oil (40-42 per cent. phenols) is at 13s. 6d. to 16s. per lb.; white oil is quoted at 17s. to 18s. 6d. per lb., spot.

TURPENTINE.—Rectified (B.P.) is quoted as follows: 1 carboy, 2s. 6d. per lb.; 24 Winchester quarts, 2s. 7½d.; 17, 2s. 10½d.; 6, 3s. 2d; 3, 3s. 4d. per lb.

VETIVERT.—Java is quoted at 135s. per lb., on the spot; Bourbon is at 180s.

YLANG YLANG.—Réunion No. 1 quality is quoted at 90s. per lb.; No. 2, 50s.; No. 3, 35s.

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TRADE MARKS

(*From "The Trade Marks Journal," July* 23)

"SANDRA"; for menstruation appliances (5). By M. Merica & Co., Ltd., 20 Shaw Road, Oldham, Lancs. B646,196.

"DUETTES"; for pills for laxative purposes (5). By Thos. Campbell Northcroft, 54 Fleet Street, London, E.C.4. 648,325.

"ELTOBAND"; for surgical dressings (5). By Elto (Chemists) Products, Ltd., 81 Oxford Street, Glasgow, C.5. 648,853.

"ASTROLEX"; for sutures (10). By Imperial Chemical Industries, Ltd., Wexham Road, Slough, Bucks. 642,137.

"EMSA"; for arch-supports and arch-preservers for the feet, supports for the soles of the feet, plaster models of feet, elastic hose (surgical) and elastic foot-bandages (10). By the Emsa-Works & Herbert Foot Appliance, Ltd., Paterson Street Mill, Paterson Street, Blackburn, Lancs. 647,793.

APPLICATIONS AMENDED AFTER ADVERTISEMENT

Specification No. 643,189 by Knight's Oil & Chemical Co., Ltd., should be altered so as to read: "Polishing preparations (including preparations which both clean and polish) and abrasive preparations, none being of a saponaceous nature."

Specification No. 646,529 by Plant Protection, Ltd., should be altered so as to read: "Yalding, Kent."

(*From "The Trade Marks Journal," July* 30)

"STREP"; for degreasing preparations for use in industrial processes or in the course of manufacture (1). By The Solvents Research Co., Ltd., 102 and 104 Vauxhall Road, Liverpool, 3. 647,370 (Associated).

"LENKA"; for chemical products used in industry, science and photography; and chemical products used in agriculture, horticulture and forestry (other than insecticides, fungicides and preparations for killing weeds) (1); for preparations and substances for laundry use; cleaning, polishing, scouring and abrasive preparations; soaps, essential oils, detergents and degreasing preparations (not for use in industrial processes or in the course of manufacture) (3). By Technical Products, Ltd., 29 Great St. Helen's, London, E.C.3. 648,455-56 (Associated).

"TREASURE COT"; for softening preparations for water (1). By the Treasure Cot Co., Ltd., 103 Oxford Street, London, W.1. 648,728.

"TRIMS"; for impregnated or treated pads (being non-medicated toilet articles) for removing nail polish and nail varnish (3). By Allcock Manufacturing Co., 4-8 Argyle Street, Birkenhead, Ches. B643,158 (Associated).

"SUPOZONE"; for bleaching preparations which bleach by the action of oxygen, being laundry preparations (3). By Emlyn Price Francis, 85 London Road, Neath, Glams. B644,366.

"VOISINE"; for perfumes, toilet preparations (not medicated), cosmetic preparations, soaps, essential oils and dentifrices, but not including preparations for the hair (3). By Société Anonyme de Diffusion Internationale de Parfumerie, 58 Rue de Provence, Paris (9e), France. B645,438.

"LONDON'S PRIDE"; for preparations and substances for laundry use; detergents, soaps, perfumes, essential oils, toilet preparations (not medicated), cosmetic preparations, hair lotions and dentifrices (3). By Smiths (Hampton), Ltd., 19 Thames Street, Hampton-on-Thames, Middlesex. 646,091 (Associated).

"ZABLEN"; for non-saponaceous washing preparations in liquid form (3). By Bullens (Solvents), Ltd., 56 St. Marys Lane, Upminster, Essex. 646,360.

"FLUORESS"; for dental cleaning preparations (3). By A. Ibbetson & Co., Ib-co Works, Great North Road, Stevenage, Herts. 647,360 (Associated).

"SIR GALAHAD" and "YOICKS"; for soaps, perfumes, essential oils, toilet preparations (not medicated), cosmetic preparations and dentifrices (3). By James Scott St. Barbe Baker, 41 Boleyn Road, Dalston Junction, London, N.16. 647,980-1.

"PARTHENON"; for essential oils, perfumes, toilet preparations (not medicated), cosmetic preparations, dentifrices, depilatory preparations, toilet articles (not included in other classes), sachets for use in waving the hair, and soaps (3). By Chemical and Essential Oils, Ltd., Astor House, 95 Aldwych, London, W.C.2. 648,164 (Associated).

"FLORENICA"; for toilet preparations (not medicated), cosmetic preparations, toilet preparations for the teeth and hair, perfumes, and perfumed soap (3). By Philippe Larbalestier, 2 Charing Cross, Jersey, Channel Islands. 648,658.

"WHISTLENE"; for soaps, and cleaning, polishing, scouring and abrasive preparations (3). By Whistle Products, Ltd., 12 Dartmouth Street, London, S.W.1. 648,705 (Associated).

COMING EVENTS

Monday, August 18

BURY ST. EDMUNDS AND WEST SUFFOLK BRANCH, NATIONAL PHARMACEUTICAL UNION, Everard's Hotel, Bury St. Edmunds, at 7 p.m. Inaugural meeting. Mr. R. H. Kemp (local organisation officer, N.P.U.) on "The Practical Effect of the National Health Service on Your Business."

Tuesday, August 19

NORTH NOTTINGHAMSHIRE BRANCH, NATIONAL PHARMACEUTICAL UNION, Victoria Hotel, Albert Street, Mansfield, at 7.15 p.m. Annual meeting.

MANSFIELD BRANCH, PHARMACEUTICAL SOCIETY, Victoria Hotel, Albert Street, Mansfield, at 8 p.m. Annual meeting, followed by discussions on "Rural Area Dispensing" and "The National Health Service Act."

Thursday, August 21

WEST HAM ASSOCIATION OF PHARMACISTS. Visit to Dartford works of Burroughs Wellcome & Co., leaving Stratford Broadway at 1.30 p.m. (All coach seats already booked).

BLACKPOOL BRANCH, PHARMACEUTICAL SOCIETY (JUNIOR SECTION) is organising a visit to the soap works of Cussons, Sons & Co., Ltd., Kersal Vale, Manchester, 7, on Wednesday, August 27, leaving Albert Road, Blackpool, at 1.30 p.m. Tickets (7s. 6d. each) may be obtained from Miss L. I. Anderson, Corbiere, Normoss Road, Newton, Blackpool.

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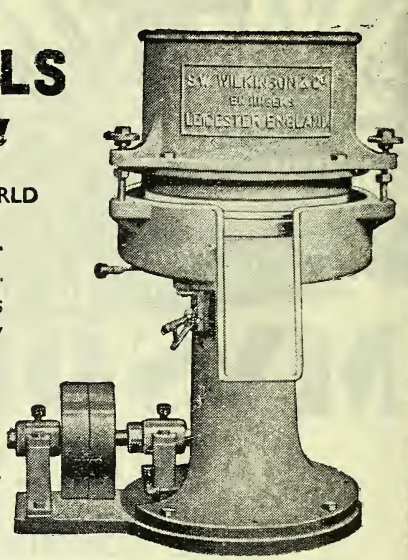

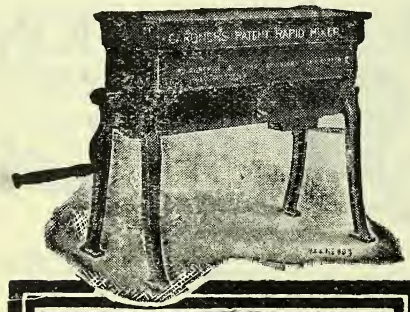

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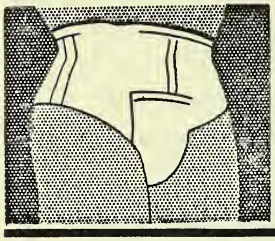

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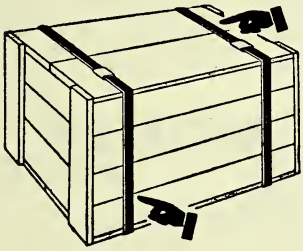

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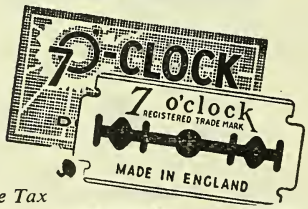

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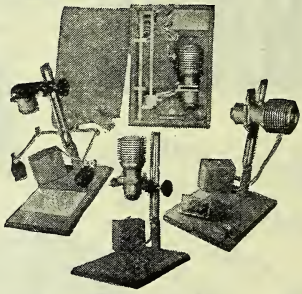


★ Double Optical Condensers. ★ Glassless Negative Carrier. ★ All main parts precision machined aluminium casting. ★ 12 volt 36 watt lighting system.

Ask for fully illustrated catalogue.

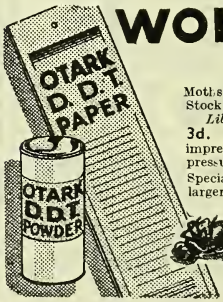
21a Working Street, CARDIFF

CANADA

Old-established Manufacturing Firm with complete sales representation and branches across Canada, dealing directly with Drug, Department and Chain Stores, desires to contact manufacturers (other than Perfumes and Soaps) with a view to manufacturing and distributing their products in Canada.

On account of the extent of the Canadian territory with its few large cities, and otherwise sparse population, this plan for volume operations and lessened overhead should be mutually and financially advantageous. Strictly confidential.

Address: — **Manufacturer, P.O. Box 457, Montreal 3, CANADA**



WOMEN HATE—

Moths, Flies, Ants, and other Insects. Stock this noted quick-acting Insecticide.

Liberal Terms

3d. FLYPAPERS impregnated under pressure: 18/- gross

Special Discounts larger quantities.

1/- POWDER CARTONS (large) (contains 5% D.D.T.) 96/- gross

All enquiries to:

OTARK POLISH Co. Ltd.

97 Duncombe Road, London, N.19 *Phone: Archway* 2496

Order from your usual Wholesaler

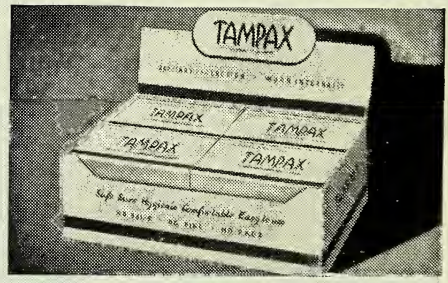
The 3 stages of selling

There's a logical sequence in the selling of Tampax, perfected form of internally worn sanitary protection, and it's as simple as 1-2-3

1 It starts in the home. . . When the day is done and woman is in her most receptive mood, relaxing with her favourite magazine or newspaper. Here she sees the story of the unique advantages of Tampax—told in restrained, dignified but readership-compelling advertisements. Stage 1 is done for you.

2 It continues in the window . . . with display material *we* will gladly supply. Women know, without the necessity of asking, that here Tampax is on sale. And that may mean the difference between a customer-in-the-shop and a passer-without-buying. Tampax displays are tastefully designed and worthy of any window.

3 It is completed on the counter . . . with a Tampax display container placed where the customer can help herself—making for an easy, unembarrassing purchase. Such purchases foster goodwill, and bring repeat sales . . . for once women have tried Tampax they rarely revert to other methods. And if they buy from you once, they will buy from you again.



TAMPAX

SANITARY PROTECTION—WORN INTERNALLY

Packets of 10:
TRADE 15/9 doz. RETAIL 1/9 Packet.
Distributed through leading wholesalers

TAMPAX LTD. Sales Office: **110 Jermyn Street, London, S.W.1.** Telephone: Whitehall 8696/7

P.A.T.A.

EARLY RISING GENERATIONS

It's good that the up-and-coming generations of young shavers should know of the exclusive features, the years of research, the superb engineering skill and unrivalled care behind every Gillette razor and blade.

So Gillette advertisements just now are driving home the point that there are indeed many features which go to make this the finest of all shaving systems!

Order your requirements. Supplies of Gillette Blades have again improved and you should now be getting them regularly. If not, please write to Gillette Industries Ltd., Great West Road, Isleworth, Middlesex, giving the name of your usual wholesaler.

'Good Mornings' begin with Gillette

ANONA WINN

FAMOUS STAGE AND RADIO STAR IS APPEARING IN 83 MILLION ADVERTISEMENTS FOR 'AURORAL' AND 'WINNER' DYES DURING 1947

LESS 5% FOR CASH IN 7 DAYS

AURORAL
Cold Water Dyes
48/- GROSS

WINNER
Home & Stocking Dyes
24/- GROSS

WHITAKERS OF KENDAL

LABELS OF DISTINCTION

For Wholesale Manufacturing & Retail Chemists

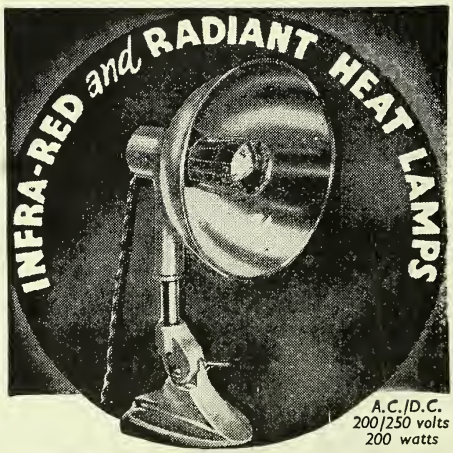
MEDICAL and DISPENSING LABELS, TOILET, COSMETIC and PERFUME, largest range of STOCK LABELS (attractive two-colour 50-60 wordings), SHAMPOO POWDER ENVELOPES and INNERS, also SACCHARINE TABLET ENVELOPES, with name and address. We can also offer multi-coloured advertising stamps in exclusive designs.

Send for our extensive sample range

CARILLON PRESS LTD

Artists in the Production of Fine Labels

BOURNEMOUTH



A.C./D.C.
200/250 volts
200 watts

Thousands now know the benefits obtainable from the invisible penetrating Infra Red and Radiant Heat rays. A safe and simple treatment for home or professional use, and at moderate cost, sales come quickly and easily. Don't miss this opportunity of cashing in. Write for particulars and generous trade terms.

PIFCO Electro MEDICAL APPLIANCES

PIFCO LTD., PIFCO HOUSE, LONDON, E.C.2

SCIENTIFICALLY FORMULATED INSECTICIDES

SUISECT

Containing D.D.T. Plus a High Percentage of Pyrethrum

SPECIAL INSECT POWDER
In handy-sized sprinkler-top containers. 1/6

LIQUID INSECTICIDE
In 16oz., 32oz. & Gallon Cans. 2/9, 4/9, 17/6 respectively.

SPRAY POWDER. In 8oz. lever-lid containers. 1/9

XTERMINEX

General Purpose Insecticidal DUSTING POWDER *Containing 8% D.D.T. in finest quality English China Clay. In 8oz. sprinkler-top containers.* 1/6

EXOPEST

For Horticultural and Agricultural Use

DUSTING POWDER
Containing 5% D.D.T. in finest quality English China Clay.
In 8oz. sprinkler-top containers. 1/6

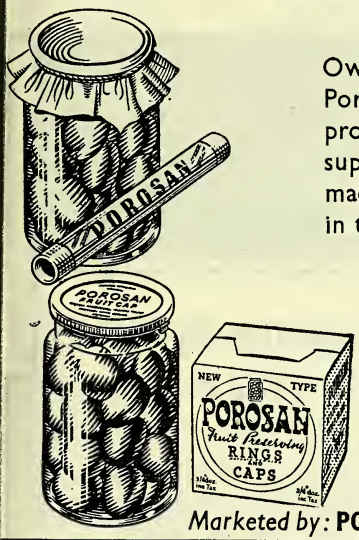
WETTABLE SPRAY POWDER
5% D.D.T. — in 8oz. lever-lid containers. 1/9
25% D.D.T. — in 8oz. lever-lid containers. 2/6

for ATTRACTIVE TRADE TERMS apply:

THE HYGIENIC CHEMICAL CO. LTD
SALES OFFICE & WORKS: NEATH, GLAM. — ONE OF THE 600 GROUP COMPANIES — TELEPHONE: NEATH 63 — GRAMS: METALCLAD, NEATH

473/HY23

POROSAN - *an apology*



Owing to the great demand for our popular Porosan Fruit Preserving Methods, it is highly probable that our distributors will have to ration supplies this year. Allocations are being fairly made by each representative, and we hope that in this way most retailers will get a small share.

Distributors to the Trade:

S. MAW, SON & SONS LTD.

P.O. BOX 54, BARNET

ALDERSGATE HOUSE, BARNET, HERTS.

Marketed by: **POROSAN LTD., 65-66 Chancery Lane, London, W.C.2**

B. B.

TESTED INSECTICIDES

The makers of B. B. Insecticides offer 2 quick selling lines for 1947

- **3 WAY ACTION D.D.T. INSECTICIDE POWDER**
  ATTRACTIVE PACK
  APPROX. 4 OZ. SPRINKLER DRUM
  SHOWS 40% PROFIT. Retails . 1/3

- **B. B. BRAND D.D.T. FLY PAPERS**
  THE SEASON'S BEST SELLER
  Owing to improved methods of deep impregnation we are able to retail at **2d. each.** Cost per gross . . 16/-

Trade Discounts Unchanged. Size Maintained

ORDER NOW For Immediate Delivery *(Samples on Request)*

HOME and EXPORT

Enquiries to—J. GOODMAN (Chemicals Ltd.) Devonshire Mews, Chiswick, W. 4.
or direct to—B.B. Insecticides, 12a Osborne Mews, St. Leonards Road, Windsor, Berks.

At the moment we are unable to keep pace with the rapidly growing demand for "Stergene," our new scientific washer and cleanser, but we hope supplies will increase before long. Meanwhile we are doing our best to give everyone a fair share of the limited quantity available.

Stergene
SCIENCE IN CLEANSING

DOMESTOS LIMITED

COLLEGE WORKS, NEWCASTLE UPON TYNE, 6

Sensational
New
Perfume
by

Sojan

PATRICK, JAMES & CO., LTD., KINGSTON-ON-THAMES

"BARBERIK PAR SOJAN"

The result of long experiments by our Chemists to obtain a delightful and lingering Perfume.

In exquisite glass stoppered 30 c.c. bottles, packed in "stand up" black leatherette box with white edging giving a very attractive and sophisticated finish.

Inquiries Invited *Cables: PAJAM, KINGSTON-ON-THAMES*

10,000,000 people will see this Poster

THROUGHOUT THE SUMMER

Be ready for a big demand. Limited supplies only available.

Order your quota now!

Retails 2/6 Inc. P.T.

BRONTAN, LTD.
1, Broad St. Buildings, Liverpool St., London, E.C.2. *Phone:* BIShopsgate 6383

NORTHERN POLYTECHNIC
HOLLOWAY, LONDON, N.7

Recognised Day courses for the PHARMACEUTICAL and 1st Medical Examinations. Evening courses for the Intermediate B.PHARM. and 1st Medical Examinations. Day and Evening Courses in CHEMISTRY, PHYSICS, MATHEMATICS, BOTANY and ZOOLOGY for Internal and External DEGREE EXAMINATIONS of the University of London. Evening Classes for MATRICULATION subjects. Special Courses in RUBBER TECHNOLOGY.

NEW SESSIONS BEGINS 22nd September, 1947

Prospectus free on application. *Tel:* NORTH 1686

PEGOL (REGD.)
"RUBGUM" TEETHING SYRUP

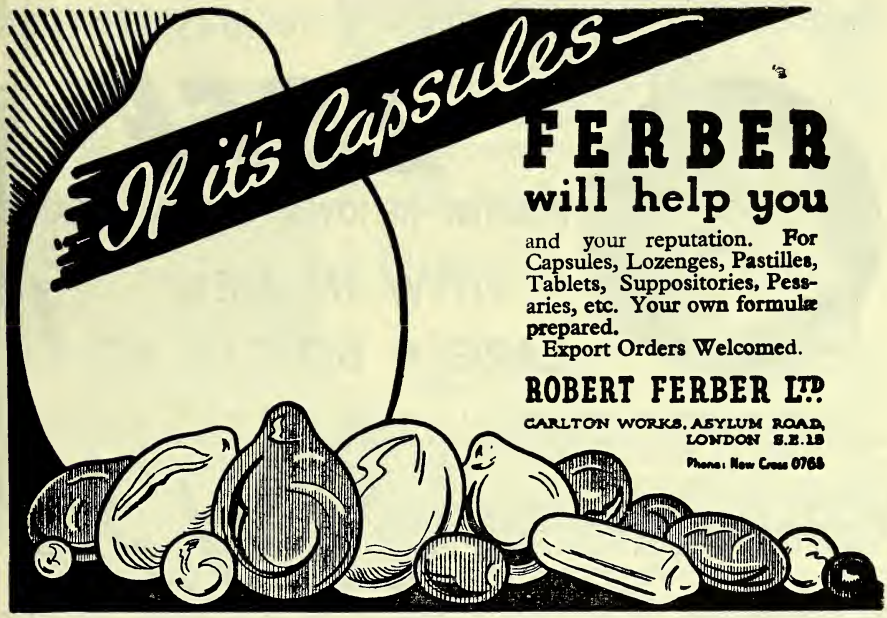
SOOTHES BABY'S GUMS AND MAKES TEETHING EASY

ATTRACTIVE SHOW CARD. BONUS BOTTLE WITH EACH DOZEN. COST 14/6 DOZ. PLUS 2/7½ TAX. RETAILS 2/- BOTTLE

If your Wholesaler is out of stock, write to **Arlington Chemicals, 18/19 Arlington St., Hull, Yorks.**

FOR HOME AND EXPORT

Yorkshire distributors: Messrs. Lofthouse and Saltmer, Hopwood St., Hull, E. Yorks.



ASMIDAR SPECIALITIES

at present available

PIPERAZINE (Asmidar)
Effervescent Granules
A uric acid solvent—3 oz. size.

GLUTONINE (Asmidar)
Strychnine Gluconate — Gives prolonged action with decreased toxicity.
Boxes 8 x 1 c.c. ampoules 0·002, 0·0035, 0·005 gm.

SULPHAZOL CREAM (Asmidar)
Containing 5% Sulphathiazole in non-greasy base. Indicated in cases of Impetigo and coccal infections.
Size—½ oz. Tubes.

ASMIDAR ANTI-RHEUMATIC OINTMENT
Non Greasy Non Staining Analgesic
Size—½ oz. Tubes.

ICHTHAMMOL B.P.
With high organically combined sulphur content.

Literature and fuller information on these Preparations can be supplied on request.

ASMIDAR LTD.
14 DOUGLAS STREET, LONDON, S.W.1
(Telephone: Victoria 5556)

DR. KNOX'S . . .
ANTISEPTIC SMELLING SALTS
"RENOIDS"
(Dr. Knox's Back & Kidney Pills)
Both available in display outers of ONE DOZEN

Retail - - 1/3
including Tax
Trade - - 9/-
per doz. + 16⅔%

Samples—Enquiries

JOHN KNOX
(STOKE-ON-TRENT) LTD. Jaynox Works, King Street, Fenton, Stoke-on-Trent
(MIDLAND) LTD. 36/38 Dean Street, Birmingham, 5.

Another Smith & Nephew Line in good supply

ZOFF

PLASTER REMOVER & SKIN CLEANSER

NOW IN NEW LARGER BOTTLE AT 1/-

Zoff is now marketed in a larger and more attractive bottle; the formula has been improved. Simultaneously with these changes the selling price of the improved product is now 1/- whilst you buy at 8/- a dozen bottles. Zoff is an obvious line for display because of its link with adhesive dressing and plaster sales. To help you, Zoff Plaster Remover and Skin Cleanser is now packed in display outers of six bottles—a neat and handy size for the counter. Zoff is in free supply and obtainable from your usual wholesaler.

ZOFF

TRADE MARK

A SMITH & NEPHEW PRODUCT

says Mr. VITALITY

Now that Simpkins Glucose Confections are dezoned please tell us number of points you have available and we will at once inform you of our ability to supply under M.O.F. regulations.

GLUCOSE MEDICATIONS

Distribution by allocation will continue as hitherto. You are invited to apply immediately stating whether you are a datum or non-datum year purchaser chemist.

VITA GLUCOSE

Supplies available for Diabetics only.

NO POINTS NEEDED ! ! !

"LIKRO-MENTHS"

LIQUORICE AND MENTHOL PELLETS

(90% SPANISH JUICE BLOCK)

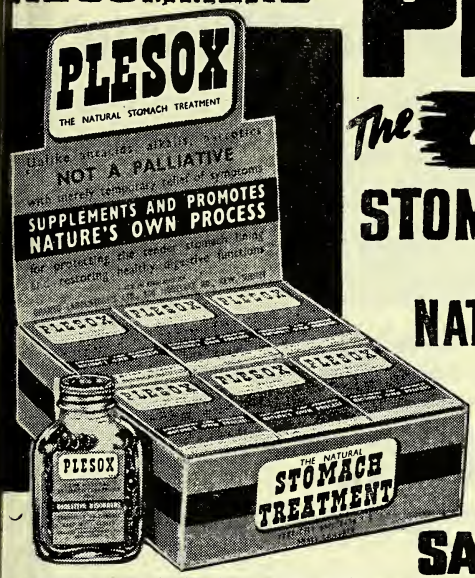
6d. PACKETS 1/-

INC. TAX —I— INC. TAX

Wholesalers write:

W. JAMES DAVIES (WESTERN) LTD.
MAINDY WORKS, CARDIFF

RECOMMEND PLESOX



The DIFFERENT

STOMACH TREATMENT

WITH

NATION-WIDE ADVERTISING
ATTRACTIVE WINDOW DISPLAY
RECOMMENDATION OF SATISFIED USERS

ARRESTING WINDOW SEALS
CONVINCING LITERATURE

50% PROFIT ON OUTLAY

A large proportion of all stomach sufferers, and most long-standing cases do not respond well to alkaline or antacid products and call for **A SAFE RELIABLE REMEDY ON SOME QUITE *DIFFERENT* PRINCIPLE. *As* THEY NEED IT, SOONER OR LATER**—whether in your shop or elsewhere—SUFFERERS WILL DISCOVER **PLESOX**—and become satisfied users.

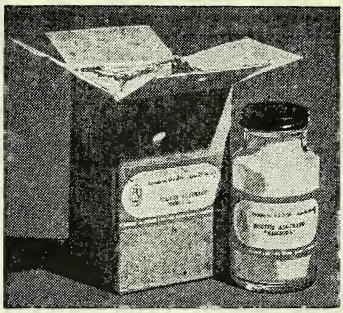
WHY LOSE such grateful customers with their constant repeat orders and recommendations to others.

Order now at **23/-** mixed display cartons (8 small 4 medium)
SHOWING 50% PROFIT ON OUTLAY.

Retail Prices: **2/3d** plus **3d** P. Tax. **4/1½** plus **5½d** P. Tax. **6/9d** plus **9d** P. Tax.

Distributors for GREAT BRITAIN: **SPLENDOR LIMITED, NOTTINGHAM.**

MANUFACTURERS: GRANTO LABORATORIES LTD., 2 PARKSHOT · RICHMOND · SURREY



Sodium Alginate★

IS BEING SUCCESSFULLY USED AS A

THICKENING AGENT

EMULSION STABILISER

GELLING MEDIUM

in

PHARMACEUTICALS AND COSMETICS

Toothpaste, oil in water emulsions, hæmostatic dressings and industrial barrier creams.

★MANUCOL *is the registered trade name of Albright & Wilson's sodium alginate*

ALBRIGHT & WILSON LTD *Chemicals*

49 PARK LANE, LONDON, W.1 *GROsvenor 1311*

WORKS: OLDBURY AND WIDNES

TBW 33 AP

VELVEX

REGD. TRADE MARK

TOILET PAPER

Now pre-war quality & reduced in price!

PACKETS 9d. ROLLS 4/3

VELVET CREPE PAPER CO. LTD. PRODUCT

VELVET CREPE PAPER CO. LTD

TOILET PAPER TISSUE HANDKERCHIEFS

LINK UP with THIS BIG CAMPAIGN

Vigorous Press and Poster Advertising is putting **VITAL FORCE** over in a big way. Take a share of this profitable business. Let us send Display material and Showcards (in full colour), together with handsome terms. Retails at 3/9d.

MACLENNAN PRODUCTS LTD.

9, MONTRELL ROAD, LONDON, S.W.2.

A GRAND DISPLAY

-AND A GRAND SELLER!

Have you seen it?

The new 'ASPRO' display is a credit to any window. It is attractive—and effective. It makes the passer-by stop, and look—and it turns passers-by into customers at a record rate. Window space devoted to 'ASPRO' is space that REALLY pays because national advertising and proved service have made 'ASPRO' a product which MOST PEOPLE WANT. Nine times out of ten, people already have it in their minds to buy 'ASPRO', and a display turns the thought into a purchase—in your shop. Your customers multiply—sales in your other lines increase. You are, in fact, tapping a great reservoir of public demand, for

PUT THE DISPLAY IN YOUR WINDOW AS SOON AS YOU GET IT

PATA

'ASPRO' HAS THE LARGEST SALE OF ANY MEDICINE OF ITS KIND IN THE WORLD

The above display is now available. If you have not already received one, cut out and send us this coupon—the display will be posted back by return.

Please send me the new 'ASPRO' display

Name .....

Address .....

....

ASPRO REG. TRADE MARK

Made in England by ASPRO LTD., TRADING ESTATE, Slough, Bucks

ENTROSALYL

Capsules

An important advance in sodium salicylate medication for the treatment of acute articular and extra-articular rheumatism, rheumatic pains and infections and hepatic disorders.

Available in packings of 50, 200 *and* 1,000 *capsules*

Retail prices P.A.T.A.

50's	4/5½
200's	16/1
1,000's	62/11

CONTINENTAL LABORATORIES LTD.
101 Great Russell Street, London, W.C.1.

STOCK LABELS

For Pharmaceutical and Toilet Lines in quantities from 100 upwards. A wide range of different designs in series . . .

Ask for samples:
JAMES TOWNSEND & SONS, LIMITED
EXETER
& AT THE ORCHARD PRESS, EASTCOTE, PINNER

"Leda"

D·D·T

LIQUID SPRAY

Specially prepared for Household use.
NON-INFLAMMABLE, NON-STAINING.
Ready for immediate use. Full directions on each container. Also in Powder Form.
Samples and prices available to Wholesalers from Manufacturers.

LEDA CHEMICALS LTD.
LONDON, N.19
ARC. 4877

Sole Agents for Scotland :—
SOUTHERN MANUFACTURING CO. LTD.
187 St. Vincent Street, Glasgow, C.2

Sole Agents for N. Ireland :—
WHYTE, REID & MITCHELL, LTD.
61/63 Donegall Pass, Belfast

BIOLOGICAL MBL PREPARATIONS

THE QUALITY OF ALL MBL PRODUCTS IS ABSOLUTELY IDENTICAL WITH THAT OF PRE-WAR PREPARATION

because of our heavy purchases immediately before war broke out. Our stocks are still considerable and the high MBL standard will be fully maintained.

THERE IS NO SHORTAGE OF ANY OF OUR PREPARATIONS

		Retail Prices (inclusive of Tax)	CHEMISTS' PRICE Per unit Net + Purchase Tax	CHEMISTS' PRICE Per dozen Net + Purchase Tax
ANTIPEOL				
OINTMENT	4 oz. tube	6/8½	4/2½ + 8½	50/5 + 8/5
	40 gr. „	3/4½	2/1½ + 4½	25/3 + 4/3
	20 gr. „	1/10½	1/2 + 2½	14/- + 2/4
LIQUID	40 c.c. bottle	3/4½	2/1½ + 4½	25/3 + 4/3
OPHTHALMO-ANTIPEOL				
20 gr. Nozzled Tube		3/4½	2/1½ + 4½	25/3 + 4/3
RHINO-ANTIPEOL				
20 gr. Nozzled Tube		2/9½	1/9 + 3½	21/- + 3/6
ENTEROFAGOS (ORAL AND INJECTABLE)				
Box of 50 ampoules		19/-	13/3½ None	159/7 None
„ 10 „		4/3	3/- None	35/8 None
„ 5 „		2/6	1/9 None	21/- None
DETENSYL				
Tin of 500 tablets		39/-	24/- + 4/-	288/- + 48/-
Tube of 50 „		4/5½	2/8½ + 5½	32/4 + 5/3
ST. JAMES' BALM				
Tin of approx. 2½ oz.		2/10	1/11 + 4	22/6 + 3/9
„ „ 1 oz.		1/5	11 + 2	11/3 + 1/11
Tube		1/2	9 + 2	9/- + 1/6

Carriage paid on all orders of 1 dozen or £1 and over.
Terms: NETT, Monthly Account.

MEDICO - BIOLOGICAL LABORATORIES LTD., LONDON, S.E.25

The Knox Policy

The Policy of the Knox Laboratories Ltd., has always been one of creating product confidence by giving users an assurance of satisfaction Today, in their Nation-wide advertising, all announcements carrythis guarantee of honest trading and straightforward dealing.

MAKE THIS TEST

To prove that Cystex may be the very medicine you need to put you on the road to better health than you have had for a long time, get Cystex from your chemist today, price 1/5. This will enable you to see how quickly Cystex gives relief and benefit to health.

Cystex
THE KIDNEY TONIC
For KIDNEYS, BACKACHE RHEUMATISM

SUPPLIES THROUGH YOUR USUAL WHOLESALER
All orders executed promptly in full.

Mendaco
For ASTHMA BRONCHITIS, HAY FEVER

KNOX LABORATORIES LTD., 29 Duke St., St. James's London, S.W.1
'Phone : Regent 4562

CRESTOL
ANTISEPTIC - MEDICATED CREAM
IODINE OINTMENT

CRESTANOL
VAPOUR RUB

CRESTOZONE
INHALANT

IODOCREST
OINTMENT

also

ZINC, BORACIC and SULPHUR OINTMENTS, and PETROLEUM JELLY

CREST LABORATORIES LTD.
Manufacturing Chemists
BURY NEW ROAD, SALFORD 7

Here is the larger of the two packs of Daisy Tablets which may become more popular than the neat and trim 3½d. size. You will like the new 1/3 pack. A really good formula (A.P.C. with Piperine—perhaps the best of all A.P.C. combinations), a first-rate pack — a popular price and generous profit. **UNIVERSALLY ADVERTISED**

Limited supplies of this handsome display carton are still available and will appeal to the Chemist who seeks to establish the 1/3 Price Standard.

Order from your Wholesaler: 1 Display carton (1 dozen), 1/3. Daisy Tablets at 9/6, plus Tax. (P.A.T.A.)

J. E. ELLIS LTD., HORSFORTH, LEEDS

Standing up to hard work . . .

The harder work the Government is demanding of us is bound to put a great strain on everybody's feet. This is your big chance to come to the rescue with scientific relief.

In the coming months, people will be asking you constantly for advice about this or that foot trouble. Scholl Foot Aids will assist you to give exact and most effective advice about every foot complaint from a soft corn to a sore heel. There are over 100 Scholl Aids, each carefully formulated to relieve a specific foot ailment. Each is laboratory tested and designed to bring quick relief and correction.

Do not be content with casual displays. Always have a foot-comfort counter in your pharmacy, and feature Scholl Foot Aids while the need is at its height. Write to us for a price list.

THE SCHOLL MANUFACTURING CO. LTD. 182-204 ST. JOHN STREET, LONDON, EC1

Michel
COMPACT
Exquisite craftsmanship
SOLE DISTRIBUTORS
ANGLO-AMERICAN DISTRIBUTING CO., LTD.
DANES INN HOUSE, 266, STRAND, LONDON, W.C.2.

Here's profit to you
QUIZ
teethbrush
ROBT. A. ROONEY & SONS, LONDON, E.17
Makers of fine Brushes for 150 years

Gives hair NEW LIFE
BIOCRIN
Pomade Treatment Shampoo
A Fast Selling,
Quick Repeating
& Highly Profitable Line
Backed by an Extensive
Advertising Campaign.
Retail Prices: 5/- and 3/-.
VINE'S BIOCRIN LTD., LONDON, W.2.

Bigger Sales for you

NOW

Pink Ribbon

Shampoo is making sales all over the country.

Retails at 2/- per bottle, inc. tax.

To retailer 12/6 per dozen, plus 4/2d. tax.

2 dozen bottles attractively packed in printed outers—no extra charge.

NATIONALLY ADVERTISED

Pink Ribbon

SOAPLESS

SHAMPOO

DISTRIBUTED THROUGHOUT THE U.K. BY

THE SOUTHERN MANUFACTURING Co LTD 214/216 WEST REGENT ST., GLASGOW, C.2. 26/27 CASTLEREAGH ST., LONDON, W.1.

MANUFACTURED BY HERBERT CROSBY & Co LTD LONDON W.1.

New Era

SEROCALCIN

for the prevention and treatment of COLDS

THE DEMAND FOR THIS SUCCESSFUL AND MUCH PUBLICISED PREPARATION IS ENORMOUS

P.A.T.A.

ALL PHARMACISTS ARE REMINDED THAT ORDERS AND ENQUIRIES FOR SEROCALCIN SHOULD NOW BE ADDRESSED TO J. C. ENO, LTD., WATFORD, HERTS. Telephone: WATFORD 7761

HARWOODS LABORATORIES LTD., WATFORD, HERTS

The CHEMIST AND DRUGGIST SUPPLEMENT

This Supplement is inserted in every copy of The Chemist & Druggist

28 ESSEX STREET, LONDON, W.C. 2.

AUGUST 16 1947

Prevailing restrictions and heavy demand on space necessitate the holding over of a number of advertisements week by week. As normal press days are in abeyance advertisers are advised to send instructions as early as possible. Advertisements must be prepaid. Box Office Numbers 2/- extra.

Sell your business through

BRITAIN'S LARGEST AGENCY

Nation-wide Advertising each week in 500 papers producing the maximum number of Buying Clients.

A SERVICE WITHOUT AN EQUAL

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SITUATIONS OPEN

7/6 for 40 words or less, 2d. for every additional word

RETAIL (HOME)

ASCOTTS Pharmacies, Ltd., invite applications from pharmacists of outstanding ability who desire to take up posts as permanent branch managers. Salary between £10 and £12 per week plus bonus on profits. Pension scheme. The positions offer sound prospects for advancement to men of the required calibre. Only first class men need apply. Ascotts Pharmacies, Beresford Avenue, Stonebridge Park, N.W.10.

ASSISTANT required with good dispensing and counter experience, no Sunday or public holiday duty. Apply, stating usual particulars. Good wages, permanency. Apply R. H. Onslow, M.P.S., 23 Church Road, Hanwell, W.7. Phone Eal. 2443.

BIRMINGHAM. Unqualified assistant. Apply, with full particulars, Greenwood, 159 Church Road, Yardley, Birmingham.

BIRMINGHAM. Qualified assistant for dispensing. Lady or gentleman. Permanent post. No Sunday or holiday work. Reply giving experience, age and salary to Sidney H. Blunt, Ltd., 106 Bordesley Green, Birmingham, 9.

BRADDOCK & BAGSHAW, LTD., 37/39, Yorkshire St., Oldham, have vacancy for energetic and enthusiastic manager (permanency) in pleasant district. Good salary and commission. Early interview desired.

ENFIELD, North London. Pharmacist required to manage a good-class family business in Enfield district. Scope for development. Good salary offered to competent man. No living accommodation. Apply 1/522, C. & D. Office.

ESSEX (near London). Qualified manager for busy working-class business. Must be good organiser, able to control stock and staff. Hard work and good pay. Excellent prospects. Apply, 1/524, C. & D. Office.

EXPERIENCED man, preferably qualified, required for high-class West London pharmacy. Excellent prospects and salary. Apply with full particulars to 1/578, C. & D. Office.

HALIFAX. Pharmacist with optical qualification (O.B.A.C.) required for central pharmacy. Duties principally optical. Comfortable post with good conditions and prospects. Applications, giving particulars of age, experience and salary required, should be addressed to the Secretary, Halifax Co-operative Chemists, Ltd., North Parade, Halifax.

HOLBORN. Lady assistant required mainly for counter in busy high-class pharmacy, permanent position. Apply Manager, c/o, A. R. Cross (North London), Ltd., 240 High Holborn, London, W.C.1, or phone HOLborn 7379 for appointment.

LADY, unqualified, for clerical work in chemists' City office. Apply 146 Holborn, E.C.1.

LONDON, E.2 (near City), assistant, qualified or unqualified, for about two months during holidays. Give full particulars of experience, age, names of references and salary expected. Apply (letter only), Pharmacist, 35 Sydner Road, Stoke Newington, London, N.16.

LONDON, W.9. Experienced pharmacist urgently required to manage a busy working-class pharmacy in West London. Brisk counter and Health Insurance dispensing. Good salary. Living accommodation available nearby. Apply 1/520, C. & D. Office.

MANAGER required for good-class pharmacy near Victoria. Permanency. Good salary, good prospects. Vacancy also for lady assistant. Apply Bradley and Bourdas, 43 Warwick Way, S.W.1.

PHARMACIST required for a West End business. Elderly, provided he is active, not objected to, or young pharmacist requiring West End experience would suit. Apply 1/511, C. & D. Office.

POPLAR. Manager, qualified, required for busy pharmacy in Poplar. Good salary offered to energetic man with experience. Permanency with good prospects. Apply 1/523, C. & D. Office.

QUALIFIED chemist required for private clinic. Very easy work. Monday to Friday 10 a.m. to 5.30 p.m. Very good salary. Apply, Newin, 48 Portland Place, W.1, or telephone LAN 1438.

QUALIFIED manager required for good-class family dispensing business in residential area of Wimbledon, Surrey. Permanent appointment; no living accommodation. Good salary. Apply 1/525 C. & D. Office.

QUALIFIED lady or gentleman to manage pharmacy, 44-hour week, no Sunday or half-day duties, good prospects and salary. Apply, giving full particulars, to L. S. Royds, M.P.S., 57 Liverpool Road, Higher Irlam, nr. Manchester.

SCOTLAND. Chemist-optician required immediately to manage new business. Excellent prospects for energetic man. Salary plus commission on optics. No living accommodation. Full particulars in first letter to 1/582, C. & D. Office.

THE Royal Arsenal Co-operative Chemists Limited, require pharmacists for their branches in South-East and South-West London. Permanent positions with opportunity for progress Superannuation and special bonus schemes in operation. Apply in writing, stating age, experience and salary required, to the Staff Manager, Royal Arsenal Co-operative Chemists Limited, 113 Powis Street, Woolwich, S.E.18.

TIMOTHY WHITES & TAYLORS invite applications from pharmacists for vacancies as qualified managers and assistants for branches in all parts of the country. Good conditions of employment are offered including a superannuation scheme, and there are excellent prospects for any pharmacist with ability and energy to make a successful career with the company. Convenient interviews will be arranged to suit applicants. Letters of application, stating district preferred (if any), should be addressed to Retail Staff Manager, (Drug), Timothy Whites & Taylors, 70 Vauxhall Bridge Road, London, S.W.1.

TORQUAY. Experienced lady dispenser required for good middle-class pharmacy. Experience in window dressing an advantage. Saturday half-day closing. Apply, Superintendent Chemist, Heppell (1932), Ltd., 70 Vauxhall Bridge Road, London, S.W.1 Phone Victoria 2204.

UNQUALIFIED assistant experienced in counter and dispensing. London area, good prospects. Apply 1/552, C. & D. Office.

VICTORIA. Branch manager required for mixed class pharmacy within 10 minutes of Victoria Station. Permanent appointment. Good salary. Saturday half-day. Apply 1/521, C. & D. Office.

WANTED. Qualified manager for branch drug department. Written application, stating age, experience and salary required, to Secretary, Dewsbury Pioneers' Industrial Society, Ltd., 43 North gate, Dewsbury, immediately. The Society owns house property and there is every possibility of accommodation being provided in the near future if necessary.

WANTED. Manager for branch pharmacy male or female. Good prospects for suitable applicant. Superannuation scheme in operation Applications stating age, experience, etc., to The Secretary, Heckmondwike and District Co-operative Society, Ltd., 3 Oak Street, Heckmondwike.

WEST MIDLANDS. Pharmacist required for high-class dispensing, excellent prospects for recently qualified man. Hours 8.30 to 5.30 p.m. Saturday early closing. 1/583, C. & D. Office.

YORK Co-operative Chemist's Society, Ltd., require services of a qualified Pharmacist to act as assistant at the Society's central premises. Superannuated permanent position with opportunity for progress. No Sunday or half-day duties. 5 p.m. daily finish. Would suit newly qualified wishing to gain experience in busy Co-operative pharmacy. Apply, stating full particulars to General Manager, 22 Railway Street, York, endorsed "Pharmacy."

YOUNG pharmacist (male) required. Recently qualified and requiring good West End experience would suit. Please apply 1/512, C. & D. Office.

YOUNG qualified lady or gent required immediately, permanency to right person. Apply North & Roper, Ltd., Chemists and Opticians, 22 Bridge Street, Northampton.

RETAIL (OVERSEAS)

BRITISH WEST AFRICA. Qualified pharmacist with optical qualification preferred, age 25/30, required for permanent position with established British firm of chemists with branches in West African colonies. Service agreement provides for twenty months' tour, four months' leave in England on full pay. Salary commencing £550 with increments per tour to £1,000 per annum. Low income tax. Contributory pension scheme, free furnished quarters, first-class passages. Applications in writing with copies of testimonials and recent photograph, also full particulars of qualifications and experience, to Secretary, West African Drug Company, Limited, 19/23 Stanley Street, Liverpool.

LOCUMS WANTED

MID-SUSSEX. Locum required from August 11, Single accommodation available. Permanency if suitable, with partnership arrangement (accommodation can be offered). Telephone Royal 1431, reference PGR, or write, with full details, salary required, etc., 1/510, C. & D. Office.

WHOLESALE

A PROGRESSIVE position is offered to male or female with initiative by West London manufacturing chemists to take charge (under supervision) of schedule poisons. Also assist works chemist in lab. routine. 1/536, C. & D. Office.

DDITIONAL representatives to sell well-known pharmaceutical specialities on commission to chemists in Devon, Cornwall, Somerset and Wiltshire. Also for Kent, Sussex, Hants and Surrey (part). Write stating age, experience, other lines carried, etc., to W. B. Cartwright, Ltd., Rawdon, Leeds.

AMPOULES and hypodermic tablets. Vacancy occurs for qualified lady pharmacist to take charge of department in London manufacturing house. Write, quoting references, and with details of age, experience and salary required, to 1/613, C. & D. Office.

ANALYST with Ph.C. or M.P.S. qualification required by large Manchester firm manufacturing pharmaceutical products, to control raw and finished materials. The position offers scope and good prospects to right man. Write stating age, qualifications, experience, etc., to Analyst, P.O. Box No. 407, Manchester.

APPLICATIONS are requested for vacancies on the representative staff of a large company manufacturing surgical dressings, plasters, and other nationally advertised lines. Successful applicants will be required to call on the pharmaceutical trade in one of the following areas: (1) North and East Riding of Yorkshire. (2) Liverpool. (3) Staffordshire, Cheshire, Derbyshire. (4) Cambridgeshire, Huntingdon, Bedfordshire, Northamptonshire. (5) Gloucestershire, Monmouthshire, Dorsetshire, Wiltshire. Candidates under 35 preferred. Remuneration by salary, commission and expenses. Car an advantage. Details of experience, education, age, etc., to 1/605, C. & D. Office.

ASSISTANT for works laboratory of small pharmaceutical manufacturers required, North London; 5-day week. Permanency for industrious and intelligent woman, willing to be trained for specialised work and able to work without supervision. Full particulars age, salary, to 1/585, C. & D. Office.

ASSISTANT works chemist wanted in old-established manufacturers of toilet preparations. Experience of emulsification, essential oils and synthetics. Compound blending and general works practice. Not less than Inter. B.Sc., standard or equivalent. Good conditions. Five-day week. Write, giving full details, to 1/616, C. & D. Office.

ASSISTANT required for routine analysis of pharmaceuticals in the analytical laboratory of C. R. Harker, Stagg & Morgan, Ltd., Emmott Street, London, E.1. Apply stating experience and wages required.

ASSISTANT librarian required by prominent chemical manufacturers. Male or female, age under 30. A qualification as pharmacist or a degree in chemistry or biology is required; experience in similar position would be an advantage but is not essential. Good reading knowledge in French and/or German preferable. The duties include abstracting medical and technical literature, compiling bibliographies, cataloguing and indexing. The position is permanent and offers a sound opportunity for a young candidate entering upon a career. Apply initially in writing giving full details of education, qualifications and experience, and quoting Ref. No. 497, to: Personnel Officer, May & Baker, Ltd., Dagenham, Essex.

ASSISTANT (male, 25-30) required; Ph.C., B.Sc., or B.Pharm. preferred, for technical supervision, manufacture of ethical pharmaceutical preparations. The position, which will involve night work on rota, is permanent and progressive. Apply initially in writing quoting reference number 528 to: Personnel Officer, May & Baker, Ltd., Dagenham, Essex.

B.D.H. have a vacancy in their sales control department for an unqualified chemist's assistant with the working knowledge of chemical terms. Neat handwriting essential. Write, Box 768, c/o Dorland, 18/20 Regent Street, S.W.1.

CHEMIST: Pharmaceuticals and cosmetics, keen on formulation, wanted by progressive firm Scotland. To supervise production and packing; good opportunity and scope for enthusiastic capable man. Full details of experience and salary wanted to 1/576, C. & D. Office.

CIBA LABORATORIES, Ltd., Horsham, Sussex, require a medical representative for part of South London, Kent and Surrey. Applicants should hold a pharmaceutical or equivalent qualification and should preferably be below 35 years of age. Previous experience as a representative not essential as training will be given. Apply giving details of experience, qualifications, age, and salary required, to the Sales Manager.

DEMONSTRATOR required to call on dentists. Applicants should be single, 25-35, willing to travel Continent, have good knowledge languages and experience in calling on professional men. Salary and expenses; no commission. 1/586, C. & D. Office.

EXPERIENCED analyst required mainly for alkaloid assays and assays of B.P. preparations generally. Salary according to experience and qualifications. Write in the first instance, giving full details of career, to Carnegie Chemicals (Welwyn), Ltd., Welwyn Garden City.

EXPORT. An opportunity presents itself for a person with experience and knowledge of overseas markets for the export of chemicals and drugs, in bulk or packed. Write in first instance, with full details, to P. A., 1/530, C. & D. Office.

MANUFACTURERS of nationally advertised cosmetics require traveller calling on hairdressers and chemists, London and suburbs. Generous commission and travelling expenses paid. 1/491, C. & D. Office.

MANUFACTURERS of first-class powder puffs (French down) desire representative well introduced to chemists and stores, London area and Scotland. Commission basis. 1/607, C. & D. Office.

MANUFACTURERS of the most attractive range of pharmaceutical specialities invite applications for following territories: (A) Scotland. (B) Wales. (C) Durham, Northumberland, Cumberland, Westmorland. Sole agencies on generous commission terms to selected applicants. Only thoroughly reliable and conscientious salesmen, with established retail and wholesale connections able to produce indisputable references, will be considered. Existing accounts transferred. Write in confidence to Sales Manager, stating age, experience, lines carried, if car owner. 1/601, C. & D. Office.

MANUFACTURING concern, producing chemical and laboratory machines suitable for dispensing and manufacturing chemists, cosmetic manufacturers, etc., require salesmen on commission basis able to undertake supplementary lines and having extensive connections in the above industries. All areas open for consideration. Generous commission, popular lines. Write in first instance with view to appointment. 1/603, C. & D. Office.

MANUFACTURING chemists, N.W. London, require the services of an energetic and experienced pill maker capable of taking control. Write giving details of age, experience and salary required. 1/591, C. & D. Office.

MANUFACTURING chemists, London, W.C. district, require general foreman to supervise production, packing and despatch departments. Must be experienced in supervising staff of at least 50. Some all-round experience in factory manufacturing high-grade medical products is desirable. Good opportunity for conscientious, intelligent man. Write, giving full particulars, to 1/537, C. & D. Office.

MANUFACTURING chemists in North London require woman pharmacist as second assistant in the dispensing and light manufacturing department. Salary according to age and experience. Write Box 552, Dorland, 18 Regent Street, S.W.1.

OLD established company marketing nationally advertised toilet line selling to retail chemists, co-operatives and departmental stores, want well established representatives for London, South of the Thames, Derbyshire, Nottinghamshire and Southern Yorkshire. Preference given to applicants already handling one P.A.T.A. line and possessing a car. Commission only. Apply 1/596, C. & D. Office.

OLD established firm of wholesale chemists require the services of a keen, energetic representative, preferably resident in South or South-East Lancs, to call on retail pharmacists in this or adjoining areas. Previous experience in wholesale representation, although not absolutely necessary, would be a decided advantage, but it is essential that applicants possess a sound knowledge of drugs, chemists' sundries, packed goods and proprietary medicines, etc., and should write stating age, full details of past and present experience, of territory covered, and whether possessing a car. Basis: salary, commission and expenses. 1/600, C. & D. Office.

PHARMACIST with experience of tablet making, ampoule filling, etc., on manufacturing scale, required by manufacturers near Liverpool. Possibility of transfer to London later. Replies to Ward, Blenkinsop & Co., Ltd., 6 Henrietta Place, London, W.1.

PHARMACIST required to take charge of small galenical laboratory with 4 assistants. Please give full particulars and state salary required. 1/594, C. & D. Office.

PHARMACISTS, single, under 30 years of age, are invited to apply for appointment to the representatives staff of a well-known London pharmaceutical organisation for permanent work in South Africa. Successful applicants will be given training before proceeding overseas. Apply giving full details to Box 761, L.P.E, 110 St. Martin's Lane, W.C.2.

PLANNING and progress assistant required by the Wellcome Chemical Works, Dartford. The assistant will be required to take responsibility as a member of the Production Planning Department for day to day planning and progressing of manufacturing orders and for co-ordinating the work of progress officers who would be responsible to him. Age preferably 30-35. Chemical or pharmaceutical qualifications desirable. Please reply, giving details of qualifications, experience, etc., to the Works Director, Wellcome Chemical Works, Dartford, Kent.

QUALIFIED manager of wholesale department requires unqualified assistant, male or female, for general duties. Sound knowledge of pharmacy necessary, especially the wholesale side. Young active single man or woman preferred on account of housing shortage. Apply with copies of references and stating salary required to Fairbank Kirby, Ltd., Ropery Street, Grimsby. Tel. 3855.

REPRESENTATIVES required in all districts to carry two additional lines, calling on retail chemists. Good commission offered. Should have well-established connection. Apply 1/533, C. & D. Office.

REPRESENTATIVE, good connection with chemists, Co-ops, etc., required for high-class branded articles, hair dyes and shampoo. Expenses and commission. Existing accounts handed over. Districts: (a) Yorkshire, (b) Lancashire, Cheshire, (c) South Wales. Dyesha, Ltd., London, W.11.

REPRESENTATIVE all areas calling chemist hairdressers. Hotels additional line, good commission. Write Box PP 11734, Samson Clark, 57/61 Mortimer Street, W.1.

REPRESENTATIVES required for pharmaceutical and fine chemical manufacturing firm, to cover North-East England or South-West Scotland. Applicants should have pharmaceutical qualification with experience of calling on doctors, hospitals and pharmacists. Remuneration would be on salary, commission and expenses basis according to experience and territory covered. Reply with full details 1/565, C. & D. Office.

REPRESENTATIVE, part-time, wanted, calling on chemists and stores to handle additional line in medicinal tablets and pills on generous commission terms. Write 1/562, C. & D. Office.

REPRESENTATIVES, residents in the area required on a generous commission basis by well established manufacturing firm (san. towels, san. belts, sanitary and hygienic wear), calling chemists, drapers, stores, for: 1, Suffolk, Norfolk (Rutland and Lincoln respectively); 2, Gloucester, Worcester and Oxford; 3, Dorset, Somerset, Devon (Wilts and Cornwall respectively). Write giving full details, age, territory, connections. 1/597, C. & D. Office.

SALESMAN-Representative (with car) to sell to retail/wholesale chemists and hospitals. Chemical or medical background desirable. Required for: (1) Yorkshire, (2) Midlands, (3) Scotland. Salary, car allowance, expenses and commission. Send full details, experience, age, etc., with first letter, 1/411, C. & D. Office.

SENIOR assistant in stock pricing department required by well-known firm of chemists' valuers; must be adaptable, accurate and reliable; good prospects for keen, conscientious worker; please state particulars of experience and commencing salary, etc. All replies treated in strict confidence. 1/598, C. & D. Office.

TABLET maker. Experienced man required London N.W. district (5-day week). Knowledge of granulating, use of single punch, also rotary machines. Permanency. Write stating age, experience, and salary required. 1/592, C. & D. Office.

THE BRITISH DRUG HOUSES, LTD., have vacancies for young pharmacists (male) in their production laboratories and technical information department. Apply Personnel Manager, (Ref. A), B.D.H., Ltd., Graham Street, City Road, N.1.

TWO first-class representatives required for well-known proprietary house in the following territories: (a) Lancashire, Cheshire, Westmorland and Cumberland; (b) Yorkshire, Durham and Northumberland. Applicants must reside on territory, have live connections with chemists, wholesale and retail Co-operative chemists, departmental stores, etc. Own car essential. Good salary, expenses, car allowance, and commission for suitable applicants. Please write, stating age, past experience, area covered, and when free to commence, to Sales Manager, 1/621, C. & D. Office.

TWO representatives required by well-known manufacturing chemists (a) London and (b) Derby, Notts, Leicester, Warwickshire. Salary, commission and expenses. 1/611, C. & D. Office.

UNQUALIFIED assistant required for manufacturing chemists. Experience unnecessary. Forty-hour, five-day week. Write to Harman Dietetic Laboratories, Ltd., Cavendish Works, North Parade, Burnt Oak, Middlesex.

UNQUALIFIED male assistant required for process work by well-established London manufacturing chemists. Pension scheme and 44-hour, 5-day week in operation. Apply with particulars of age, experience, etc., to 1/612, C. & D. Office.

W. B. CARTWRIGHT, Ltd., Rawdon, Leeds, require an experienced representative for Yorkshire (East and West Ridings), Notts and Lincs. Applicants should possess car and reside on ground. Write giving full details, age, experience, etc.

WANTED, competent traveller to handle well-known toilet preparation. Can be carried as additional line by person with an established connection. Write Brighton Chemical Co., Ltd., 52 Fairview Street, Belfast.

WARD, BLENKINSOP & CO., LTD., invite applications from medical representatives for the London and Manchester areas. Previous representative experience in these territories, plus sound knowledge of modern therapeutics, desirable. Full particulars to 6 Henrietta Place, London, W.1.

YOUNG, active representatives required for North Wales and Cheshire and Eastern Counties to contact pharmaceutical trade. Representatives must be young and active and eager for progress. Previous representative experience not necessary if applicants have knowledge of chemist trade. Write in detail, giving age, all experience, whether car owner, and salary required, to Sales Manager, Fassett & Johnson, Ltd., 86 Clerkenwell Road, London, E.C.1.

WHOLESALE (OVERSEAS)

AUSTRALIA. Well-known proprietary medicine house require qualified chemist (M.P.S. preferred) for their Melbourne branch. Would be expected to learn complete manufacturing processes. Knowledge of toilet lines may be an advantage. Age 25/35. This would be permanent position and a good opportunity for the right type of man. Apply in first instance to 1/551, C. & D. Office.

CHEMISTS urgently required by large company operating in the Middle East. Will be employed either on development or process work and should be prepared initially to undertake shift work on process plant; should possess B.Sc. degree and preferably have had subsequent industrial experience. Age not over 30. Single men preferred. Starting salary not less than £500-£600 p.a. according to qualifications, together with a generous allowance in local currency, also free furnished bachelor accommodation, free passages out and home; free medical attention; kit allowance; provident fund benefits. Applicants must be of full British parentage and should write stating age, qualifications and experience, to Dept. F.18, 162/462, C. & D. Office.

PLANT chemists urgently required for process plant operations by large company operating in the Middle East. Applicants need not be graduates but should have had a chemical training up to Inter B.Sc. or National Certificate Standard with experience of shift work in either a gas, coke oven or chemical works. Age not over 30. Salary in sterling between £540 and £600 per annum plus generous allowances in local currency, with free furnished bachelor accommodation, passages out and home, medical attention, also kit allowance and provident fund benefits. Apply stating age, qualifications and experience, etc., to Dept. F.22, 162/461, C. & D. Office.

SINGAPORE. Chemical and pharmaceutical manufacturers of international repute invite applications from qualified pharmacists for the position of assistant in their Singapore Branch Office. Age 24-26, single. The duties will involve a certain amount of travelling. This is an outstanding opportunity for a young man wishing to enter a career with excellent prospects. Apply, giving full details of education, qualifications and experience, quoting reference number 498 and enclosing a photograph if available, which will be returned. 1/431, C. & D. Office.

SITUATIONS WANTED

2/6 for 18 words or less, 1d. for every additional word

RETAIL (HOME)

DRUG store manager or pharmacy manager with cover (age 50), well recommended; counter, dispensing, prescribing. "Elgee," 13 Meath Road, Ilford, Essex.

REG. woman M.P.S. requires light or part time employment or easy hours. Commence September. 1/579, C. & D. Office.

YOUNG lady, Hall certificate, experienced counter, window dressing, etc., desires post Central London pharmacy. Available September. Apply Advertiser, 122 Hurstbourne Gardens, Barking, Essex.

WHOLESALE

COSMETIC chemist, long practical manufacturing experience in high grade cosmetics, proved organising ability, desires change.—1/571, C. & D. Office.

EXPERIENCED pharmaceutical representative with excellent connection S.W. Lancs and Cheshire, desires change with reputable firm. Own car. Age 36. Wide experience all branches of chemistry including laboratory and plant, sales and technical, management. Ex-officer. Salary, etc. 1/581, C. & D. Office.

EXECUTIVE experienced in all branches of the pharmaceutical trade, M.I. Ex., M.I.S.M.A., age 37, seeks a position with scope for hard work and development. Details of experience on request to 1/570, C. & D. Office.

EXPERIENCED stocktaker requires post with a company controlling group of shops, to take charge of their stocktaking. Knowledge of purchase tax and buying. 1/567, C. & D. Office.

KEEN young representative, extensive connection medical profession and retail chemists in Lancs and Cheshire, seeks position with reputable house offering good scope to energetic worker, propaganda or straight selling considered, excellent refs. 1/604, C. & D. Office.

MEDICAL representative experienced in calling on hospitals, clinics, institutions, etc. Public school and university education. Ex medical student. 1st and 2nd M.B., B.Sc. Post desired with reputable house for territory south of Thames. Clean driving licence. Resident Surbiton. Details to 1/554, C. & D. Office.

REPRESENTATIVE with sound connection N. Yorks, N.E. Counties, Westmorland, Cumberland, Scottish Lowlands, calling on wholesale and retail chemists, Co-op. Societies, department stores, etc., wishes to contact good-class house re additional line on a commission basis. Car owner. 1/610, C. & D. Office.

REPRESENTATIVE desires change, 12 years' experience in the pharmaceutical trade throughout Yorkshire. Excellent sales record. Would like progressive post. 1/606, C. & D. Office.

REPRESENTATIVE for Surrey, Sussex, Hants, would consider additional reputable lines on commission basis. 1/580, C. & D. Office.

TRAVELLER, working N. and E. Yorks, Durham, Northumberland and Lancs. Established connection chemists, Co-ops., etc., wishes to represent house with well-known lines, including toilets. Salary, commission and expense basis. Full details to 1/563, C. & D. Office.

APPOINTMENTS

CITY & COUNTY OF BRISTOL

DEPARTMENT OF PUBLIC HEALTH

Applications are invited for appointment of Assistant Pharmacist at Southmead Municipal General Hospital.

Salary scale which is £370 x £15 x £20 x £450 per annum, and conditions of service, in accordance with the recommendations of the Joint Negotiating Committee (Hospital Staffs). Appointment subject to provisions of Local Government Superannuation Act, 1937 and to passing a medical examination. Application forms from the undersigned to whom they should be returned not later than the 23rd August, 1947.

R. H. PARRY.
Medical Officer of Health.

Kenwith Lodge,
Westbury Park,
Bristol, 6.

KENT COUNTY COUNCIL

ASSISTANT PHARMACIST

Applications are invited for the following appointment at the County Hospital, Sevenoaks Road, Orpington:—

Assistant Pharmacist (M.P.S. or Ph.C.) either sex. Hospital experience preferred. Salary £370 a year by four increments of £15 and one of £20 to £450 a year. Superannuation. Medical examination necessary.

Applications, stating age, qualifications, experience, and the names and addresses of two responsible persons to whom reference may be made as to professional ability, to be sent to the County Medical Officer, County Hall, Maidstone, as soon as possible.

W. L. PLATTS,
Clerk of the County Council.

County Hall,
Maidstone.
July 4, 1947.

MIDDLESEX COUNTY COUNCIL

ASSISTANT PHARMACIST for CHASE FARM HOSPITAL, Enfield, Middlesex. (Registered essential.) J.N.C. (Hosp. Staffs), salary £370 inclusive; annual increments up to £450 p.a. Similar experience may determine commencing salary. Recently qualified pharmacists eligible. Non-resident, established staff, subject to medical exam. Application, stating age, qualifications, experience, with copies of up to 3 recent testimonials, to MEDICAL DIRECTOR of HOSPITAL, IMMEDIATELY. No forms. (Quote C 438 C I).

C. W. RADCLIFFE,
Clerk of the County Council.

Middlesex Guildhall,
S.W.1.

MIDDLESEX COUNTY COUNCIL

REGISTERED ASSISTANT PHARMACIST for ASHFORD COUNTY HOSPITAL, Ashford, Middlesex. Similar experience may determine commencing salary on inclusive J.N.C. (Hosp. staffs) scale £370 x £15—£450 p.a. Whole-time, established and pensionable, subject to medical examination. Non-resident. Post now vacant. Applications, stating age, qualifications, experience, with copies of up to three recent testimonials to MEDICAL DIRECTOR of Hospital (quoting C.468 C D) by 30th August. No forms.

C. W. RADCLIFFE,
Clerk of the County Council.

Middlesex Guildhall,
S.W.1.

THE WEIR HOSPITAL,
WEIR ROAD, BALHAM, S.W.12

DISPENSER required for holiday duty, 1-6 September (inclusive). Non-resident. Apply to the Secretary-Superintendent.

MIDDLESEX COUNTY COUNCIL

ASSISTANT PHARMACIST for HAREFIELD COUNTY HOSPITAL, Harefield, Middlsex (Registered essential), J.N.C. (Hosp. Staffs) salary £370 inclusive; annual increments up to £450 p.a. considered. Similar experience may determine commencing salary. Recently qualified pharmacists eligible. Whole-time, unestablished, possible establishment; subject to medical examination. Application stating age, quals., exper., with copies of up to 3 recent testimonials to MEDICAL DIRECTOR at Hospital, IMMEDIATELY. No forms (quote C 292 C D).

C. W. Radcliffe,
Clerk of the County Council.

Middlesex Guildhall, S.W.1.

NEW SOUTH WALES GOVERNMENT OFFICES,
56/57 Strand, London, W.C.2

APPLICATIONS are invited for the following position in the Technical Education Branch of the Department of Public Instruction, Sydney, New South Wales.

LECTURER-IN-CHARGE, CHEMISTRY DEPARTMENT

Applicants should give evidence of advanced training in Chemical Engineering, preferably with first-class honours or advanced University Degree or Technical College Diploma with good industrial experience. They should also give evidence of having established themselves in fields of Chemistry or Chemical Engineering and possess administrative ability. The appointee will be required to lecture to University Degree standard and to conduct post-graduate lectures in his own special field of research.

Salary will be at the rate of £971 p.a. (Australian), subject to deductions under the New South Wales Superannuation Act, plus an allowance of £100 p.a. (Australian). Salary will commence from the date the selected applicant takes up duty. Actual first-class travelling expenses of the appointee and his family to Sydney will be allowed.

The successful candidate may be required to furnish satisfactory evidence as to his physical fitness.

Six copies of applications, stating age, educational career, experience in this Country (and abroad, if any), also other qualifications (together with six copies of any testimonials or other supporting documents) must reach the undersigned not later than the 5th September, 1947.

A. W. SUTTON.
Official Secretary.

SURREY COUNTY COUNCIL

ASSISTANT PHARMACIST required at:

EPSOM COUNTY HOSPITAL, Dorking Road, Epsom.

ST. LUKE'S COUNTY HOSPITAL, Guildford.

Commencing salary on grade £370 x £15—£430 x £20—£450 p.a. inclusive. Applications in writing, stating age, qualifications and experience with copies of not more than three recent testimonials should be sent to the Medical Superintendent of appropriate Hospital.

QUEEN MARY'S HOSPITAL FOR THE EAST END, STRATFORD, LONDON, E.15

APPOINTMENT OF SENIOR ASSISTANT PHARMACIST

Applications are invited for the post of Senior Assistant Pharmacist (male) with salary according to J.N.C. Scale (£415 x £15 to £490. Experience will be taken into account in determining the commencing salary within this scale. Pension Scheme in force. Applications with full particulars and copies of testimonials to be sent to the House Governor and Secretary as soon as possible.

ROMFORD JOINT HOSPITAL BOARD. RUSH GREEN EMERGENCY HOSPITAL, ROMFORD

APPOINTMENT OF PHARMACIST

Applications are invited for the post of a whole-time PHARMACIST, male or female, at the above hospital. Salary at the rate of £420 per annum, rising by five annual increments of £15 to a maximum of £495 per annum. In the case of women applicants, resident accommodation, for which a charge will be made, can be provided. The appointment is subject to one month's notice on either side and to the provisions of the Local Government Superannuation Act, 1937. Applications, stating name, age, nationality, qualifications and experience, together with copies of two testimonials, to be sent to the undersigned.

ERNEST E. TAYLOR,
Clerk of the Board.

Clerk's Office, Rush Green Hospital,
Romford.

THE GENERAL INFIRMARY AT LEEDS

Applications are invited for the appointment of ASSISTANT PHARMACIST (male). Salary in accordance with the J.N.C. scale commencing at £350 plus meals, which will be provided when on duty. Federated superannuation scheme in force. Night and week-end duty will be worked in rotation. Previous hospital experience not essential. Applicants must reply in own handwriting, stating sex, age and experience, and also enclose copies of not more than three recent testimonials to the HOUSE GOVERNOR AND SECRETARY.

AGENCIES

12/6 for 36 words or less, 3d. for every additional word

AGENCIES wanted for Lancashire and Yorkshire by established firm of manufacturers' agents calling almost exclusively on the pharmaceutical trade. Sales records good. Particularly interested in proprietary agencies. 1/566, C. & D. Office.

AGENTS for Greece. We are now able to accept agencies in Greece for British firms manufacturing the following products: Chemists', Druggists' and Veterinary supplies. Scientific instruments (chemical and surgical). Any firms requiring such agencies are invited to contact Dr. Thalis Cassimatis, Chemist and Druggist, 8 Skoufou Street, Athens, Greece.

MANUFACTURERS' agent, calling on chemists and other traders in the London area, desires additional good-selling lines on commission basis. Full details to 1/564, C. & D. Office.

REPRESENTATIVE required with first-class connection amongst hospitals, public health departments, etc., to take up agency for complete range of hypodermic syringes with unique selling points, manufactured in this country. Permanency. Reply stating full particulars in confidence. Box J.3128, W. H. Smith & Son, Ltd., Manchester 3.

BUSINESS OPPORTUNITIES

12/6 for 36 words or less, 3d. for every additional word

ANY provincial manufacturers desiring London and Southern contacts wholesalers, multiples, leading chemists, Co-ops, stores. Export offered. Sound efficient individual sales service, 20 years' connection. First-class references. Commission basis. 1/574, C. & D. Office.

ASSISTANT to owner of small pharmaceutical manufacturers/exporters required, North London. Previous experience sales, professional contacts, advertising copy. Full particulars, age, salary, to 1/584, C. & D. Office.

FILLING and packing of bottles, including supply of small bottles, can be done by manufacturing chemists. Technical supervisory staff available, if required, for manufacturing and packing. 1/568, C. & D. Office.

HAVE you got a sound and original idea for consistently increasing your number of permanent customers? If not, let me help you. I can send you a detailed, sales-productive innovation which will rapidly increase the turnover and individuality of your pharmacy. Details forwarded on request. 1/575, C. & D. Office.

MESSRS. HOOK SPREADBURY & CO., of 45 Pickford Lane, Bexleyheath, Kent, are desirous of contacting bona fide manufacturer with a view to handling their products on a wholesale basis. Area covered from Kent to Cornwall inclusive.

PROPRIETOR of British Patent, Application No. 18250/47, is prepared to sell, or licence, British manufacturers to work thereunder. It relates to improvement to granulating machine, automatic brush operation, to prevent moist powder from clinging to the under-mesh. 1/602, C. & D. Office.

TABLETING. Large company has facilities for manufacturing any type of tablet, advertisers have facilities also for packing tablets in tins or tons. All sizes from saccharin to 2 in. tablet. Write TABS, 1/569, C. & D. Office.

BUSINESSES WANTED

7/6 for 40 words or less, 2d. for every additional word

DRUG store, or combined with other good-class trade, living accommodation, garage, and definitely sufficient space and "local area" to establish optical practice: Rent or Freehold. Or easily run chemist's business, same conditions. South and east preferred. Alternatively £5 will be paid for information used to secure shop and house where optical practice can be established. Tildesley, M.P.S., F.B.O.A., 33 Waterloo Road, Bedford.

BUSINESSES FOR DISPOSAL

7/6 for 40 words or less, 2d. for every additional word

AN investor in search of satisfactory income yield plus capital appreciation can obtain both through the acquisition of a private company owning a group of drug stores and a mail order business, replete with valuable leases, quotas, stock, spacious suite of offices and well equipped factory, warehouse, etc. The business has been established over 20 years and all the shops are situate in prominent shopping centres in the South of England. Sum required for quick sale approximately £16,000 payable on reasonable terms. Apply 1/589, C. & D. Office.

GOODWILL and Trade Mark and copyright of pack labels and literature of moth-killing preparation for sale, price £200, also likewise of insect powder, price £100. 1/623, C. & D. Office.

MANUFACTURING chemists and wholesalers' business with cosmetics quota and well introduced trade mark. If required, together with freehold and vacant possession of seven newly decorated and well furnished rooms, etc. C.H. and C.W. near West End. Owner going abroad. 1/202, C. & D. Office.

WELL advertised proprietory for sale. Substantial sales increasing. Net profits at least £7,000 per annum. Total inclusive purchase price £25,000. Apply with banker's reference, please. 1/588, C. & D. Office.

MISCELLANEOUS SALES

12/6 for 36 words or less, 3d. for every additional word

ASPIRIN Gran. (May & Baker). About ¾ cwt., for disposal. 1/595, C. & D. Office.

FOR SALE. 50 gross perfume bottles, 3 drachm, square sprinkler tops, with black bakelite caps. Cost 47/6 gross. Offers to 1/614, C. & D. Office.

FOR disposal, 30 gross 1-oz. flat bottles with bakelite caps. 40 gross 1½-oz. fancy bottles with bakelite caps. 50 gross 1-oz. opal jars with bakelite caps. 25 gross 1-oz. clear jars with metal caps. 50 gross 2-oz. clear jars with bakelite caps. 25 gross 7-drachm bottles with bakelite caps. H. S. Bottle Co., Ltd., 33 Haymarket, London, S.W.1.

BOTTLES for sale—600/800 gross of 4 oz. white flint glass oval emulsion bottles complete with black bakelite caps. Surplus to requirements. Sample sent on request. Write 1/587, C. & D. Office.

FOR sale. 250 gross 3 oz. insuflator (bellow) boxes. Apply Ajax Chemical Co., Ltd., 30 Redbourne Avenue, London, N.3.

GLASS vials. 50,000 available, 13/14 mil., 3 inches long, 2s. per gross. Affined Basic Chemicals, Ltd., Empire Works, Desborough Road, High Wycombe, Bucks.

JACKSON-CROCKATT jnr. powder filling machine No. 45, complete with hopper and self-contained motor 230 v. single-phase. Very good condition. One International time clock for 150 employees. 1/590, C. & D. Office.

SODIUM hyposulphite, cube crystals, photographic or toilet quality. Immediate delivery offered of 1 ton surplus. Also small parcels of cholesterol and stearic acid available. 1/622, C. & D. Office.

SURPLUS. Ceresin wax. 1¼ cwt. each, yellow and white for disposal. Best offer secures. Sample on request. 1/615, C. & D. Office.

SURPLUS stock: 4 cwt. glyceryl mono laurate (Food and Drug quality), 20 drums white odourless oil, 1 cwt. phenacetin B.P. 1/561, C. & D. Office.

SURPLUS: 1 ton edible liquid malt extract, 4 bags edible powdered gelatine, 9 barrels commercial lanoline. 1/599, C. & D. Office.

3-CWT. best quality cetyl alcohol at 5/- lb. Yellow beeswax, 3 cwt. in 56 lb. bags, 3/- lb. Half-white beeswax, 4 cwt., 4/- lb. ½-ton white petroleum jelly. 1/608, C. & D. Office.

5 GALLS. each amyl acetate, olive oil—10 gross pearshape 2 oz. opal pots—1 lb. yerba santa—gingerine liquor capsisi—oil pimento—8 oz. bottle cartons—140 gross gilt 1 in. screw caps and aluminium. Savage, 65 Marine Parade, Brighton.

PREMISES TO LET

12-YEAR lease available immediately on 4,000 sq. ft. factory premises ideally situated in City. Fully equipped as bottling and packing plant. Enquries to 1/619, C. & D. Office.

WANTED

7/6 for 40 words or less, 2d. for every additional word

A BIG price offered for home cines, cameras, or projectors. Bell-Howell, Kodak, G.B., etc. Also Leica, Contax and other precision cameras, enlargers, exposure meters, etc. Prompt cash. Wallace Heaton, Ltd., 126-7 New Bond Street, London, W.1.

A PESTLE and mortar mill, 15 inches upwards. Any condition. Details and price required to Robert Blackie, Limited, 83 Bellenden Road, London, S.E.15.

ACTIVELY interested in all your surplus machinery. Price given on inspection and immediate settlement if purchased. 1/474, C. & D. Office.

AUTOMATIC cream filler wanted at once; big price paid. Shavex Co., Bavaria Road, Holloway, N.15.

BENCHES, fittings, etc., required for small laboratory (general and analytical). Complete laboratory furnishings considered. Box 35. H. G. Harris, Ltd., 33 Merrion Street, Leeds, 2.

BOTTLES wanted. 20-oz. and 26-oz. cordial or wine type. Please quote for small or large quantities, to A. E. Bevan, Ltd., 20A Hall Street, Southport, Lancs.

CARBOYS wanted with skips, 10 gallon capacity, any quantity, collected London area. Send price and quantity to S.C.C., Ltd., 414 Walton Road, West Molesey, Surrey. Molesey 3556.

GLYCERINE wanted, any quantities taken of B.P. quality. Cash by return. State quantity available and price required to 157/296, C. & D. Office.

GLYCERINE required. Manufacturing chemists wish to purchase glycerine, pharmaceutical quality, up to one ton. Offer to 1/577, C. & D. Office.

GLYCEROL. Quantities wanted. Apply 1/618, C. & D. Office.

STEARIC acid triple pressed required in large quantities. 147/850, C. & D. Office.

WANTED. Quantities of triple pressed stearic acid. Apply 1/617, C. & D. Office.

WANTED urgently. Stearic acid, all grades, any quantity. Samples and quotations to Harman Dietetic Laboratories, Limited. Cavendish Works, North Parade, Burnt Oak, Middlesex.

WHITE and amber petroleum jelly B.P., white odourless oil, triple pressed stearic acid, all urgently wanted. 1/560, C. & D. Office.

26-OZ and 13-oz. wine or champagne bottles required. 625/524, C. & D. Office.

PREMISES WANTED

EMPTY shop premises wanted by young pharmacist. Good position. Accommodation space an asset. Bucks, Beds or Surrey preferred. Particulars to 1/609, C. & D. Office.

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WE offer for export aniline oil and salt. Apply 1/593, C. & D. Office.

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